Fleet Forum

November 7, 2018

Utah Division of Fleet Operations

Introductions

Welcome first time attendees

Utah Division of Fleet Operations

NASCA 2018 Institute on Management and Leadership awarded the State of Utah Motor Pool with "Innovation in State Government" for the On-Demand program.

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Rate Changes and Impacts

Action	Change
Approve Lease rate modifications	($807,900)
Approve all other existing rates	--

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As of July 1, 2019

Motor Pool Monthly Lease Rate

$$\text{Monthly Lease Rate} = \frac{\text{2013 Contract Price} - \text{Salvage}}{\text{Lifecycle}} + \text{Fees}$$

Contract Price	2013 model year contract ~~price for class~~
Salvage Value	Light trucks 21% Select sedans 18% Select SUVs 21% All others 17% 25%
Lifecycle	Current lifecycle (in months) based on actual mileage
Fees	Admin fee, Management Information System (MIS), and ~~Alternative Fuel Vehicle (AFV) fees~~

Retroactively applied to all vehicle leases

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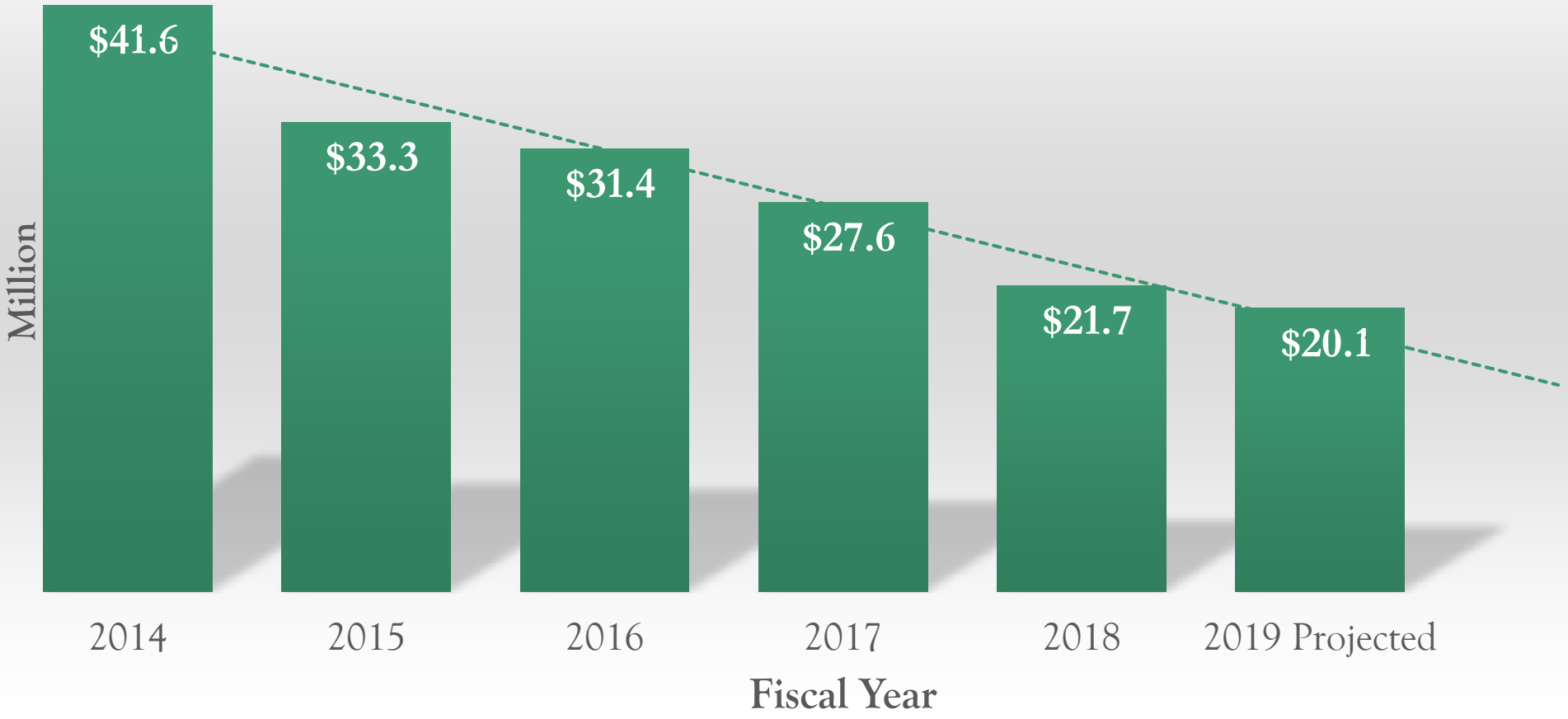
Debt To General Fund



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Telematics

- Phase I: Installation
- Phase II: Training and Optimization
- Phase III: Report

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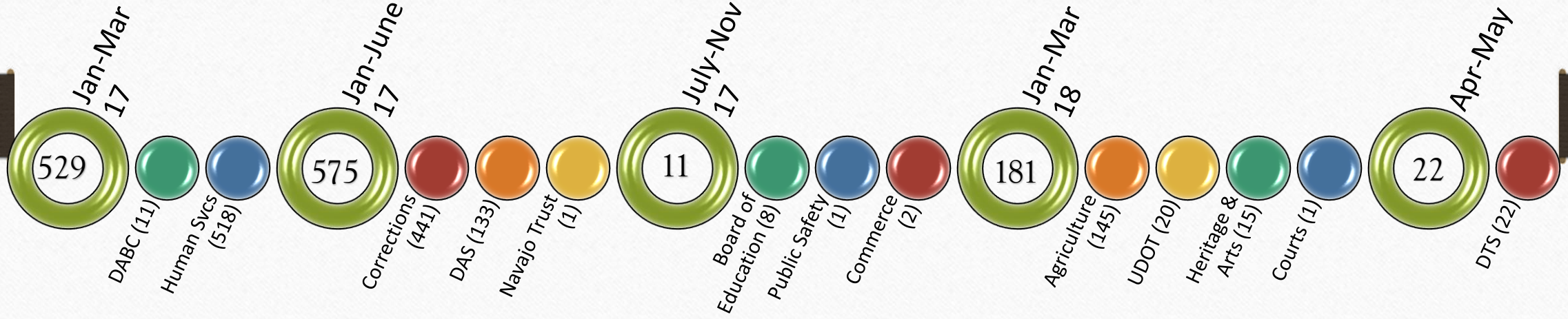
Telematics Program Timeline

Phase I Installation



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New Customers

MASOB Pool

GOMB

School for Deaf and Blind

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Telematics

- ~~Phase I: Installation~~
- Phase II: Training and Optimization
- Phase III: Report

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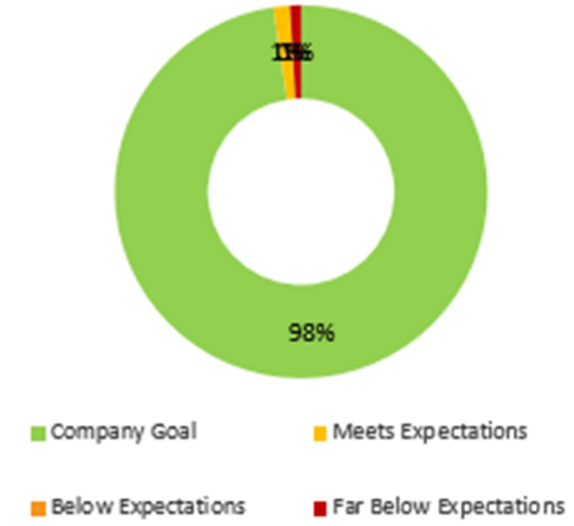
REPORTS AND SCORECARDS

Score Range	Vehicles
Company Goal	409
Meets Expectations	6
Below Expectations	0
Far Below Expectations	4



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Most Utilized Vehicles

	Vehicle	Days Driven	Vehicle	Drive Time	Vehicle	Mileage
1	FO15589	31	FO16680	263:41:46	FO18245	6027.59
2	FO16229	31	FO17617	227:07:19	FO18137	5568.48
3	FO16680	31	FO18571	223:22:21	FO15544	5140.63
4	FO16882	31	FO17167	198:26:51	FO18131	5120.52
5	FO17167	31	FO18569	164:19:04	FO16680	4564.20
6	FO17168	31	FO17166	139:42:07	FO15588	4418.21
7	FO17266	31	FO17168	134:58:24	FO17377	4377.47
8	FO17617	31	FO18573	128:21:37	FO18136	4242.49
9	FO17625	31	FO15608	125:49:41	FO17262	3790.93
10	FO18239	31	FO16679	110:22:13	FO17261	3721.40

Least Utilized Vehicles

	Vehicle	Days Driven	Vehicle	Drive Time	Vehicle	Mileage
1	FO10466	1	FO13110	00:00:22	FO17317	0.09
2	FO12975	1	FO14704	00:01:30	FO16920	0.19
3	FO13110	1	FO14688	00:01:42	FO16904	0.26
4	FO13570	1	FO12975	00:03:02	FO15587	0.27
5	FO14688	1	FO16920	00:03:24	FO16911	0.30
6	FO14704	1	FO17317	00:06:41	FO16916	0.43
7	FO16904	1	FO16911	00:08:45	FO10466	2.86
8	FO17317	1	FO15587	00:11:34	FO14601	4.27
9	FO14614	2	FO16904	00:12:36	FO10929	4.31
10	FO14614	2	FO16916	00:14:28	FO17620	7.43

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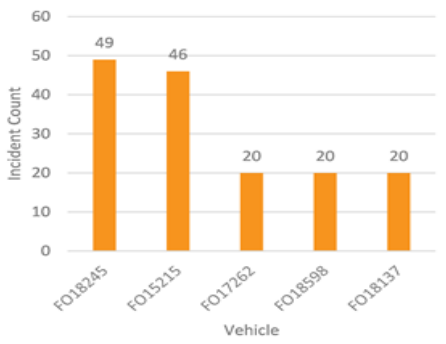
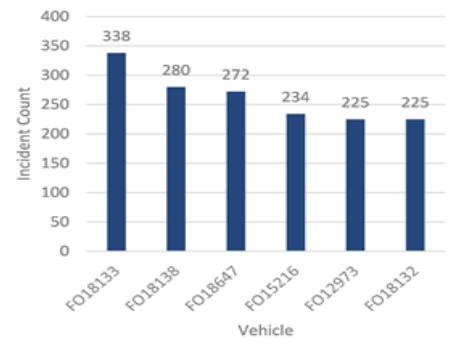
Top 5 Speeding Violations (previous 30 ...



Top 5 Seatbelt Violations (previous 30 d...



Rules broken this week

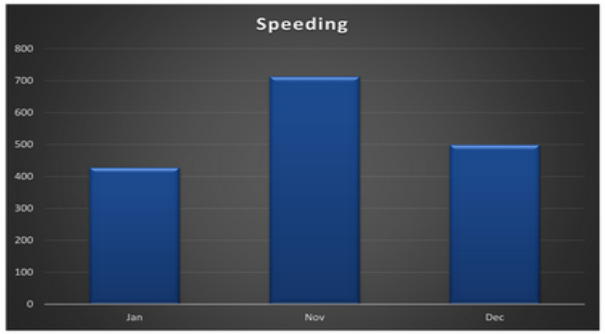
Exceptions Detail Report

Created	Feb 14, 2018
From	Feb 11, 2018
To	Feb 17, 2018
Distance Unit	miles
Speed Unit	mph

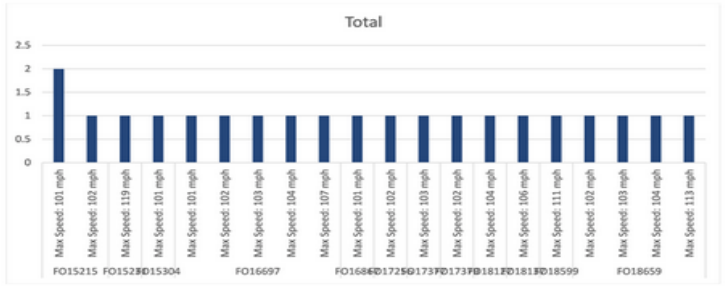
Device	Device Group	F
FO12307	CRUCI, C Truck	
FO12307	CRUCI, C Truck	
FO12358	CRAPP6, C Passenger	
FO12968	CRAPP2, C Passenger	K

Safety Driver Scorecard (previous 30 days)

Safety Trends (last 3 months)



100 MPH+ Exceptions (previous 30 days)



Utilization Report

Most Utilized Vehicles

	Vehicle	Days Driven	Vehicle	Drive Time	Vehicle	Mileage
1	FO15589	31	FO16680	263:41:46	FO18245	6027.59
2	FO16229	31	FO17617	227:07:19	FO18137	5568.23
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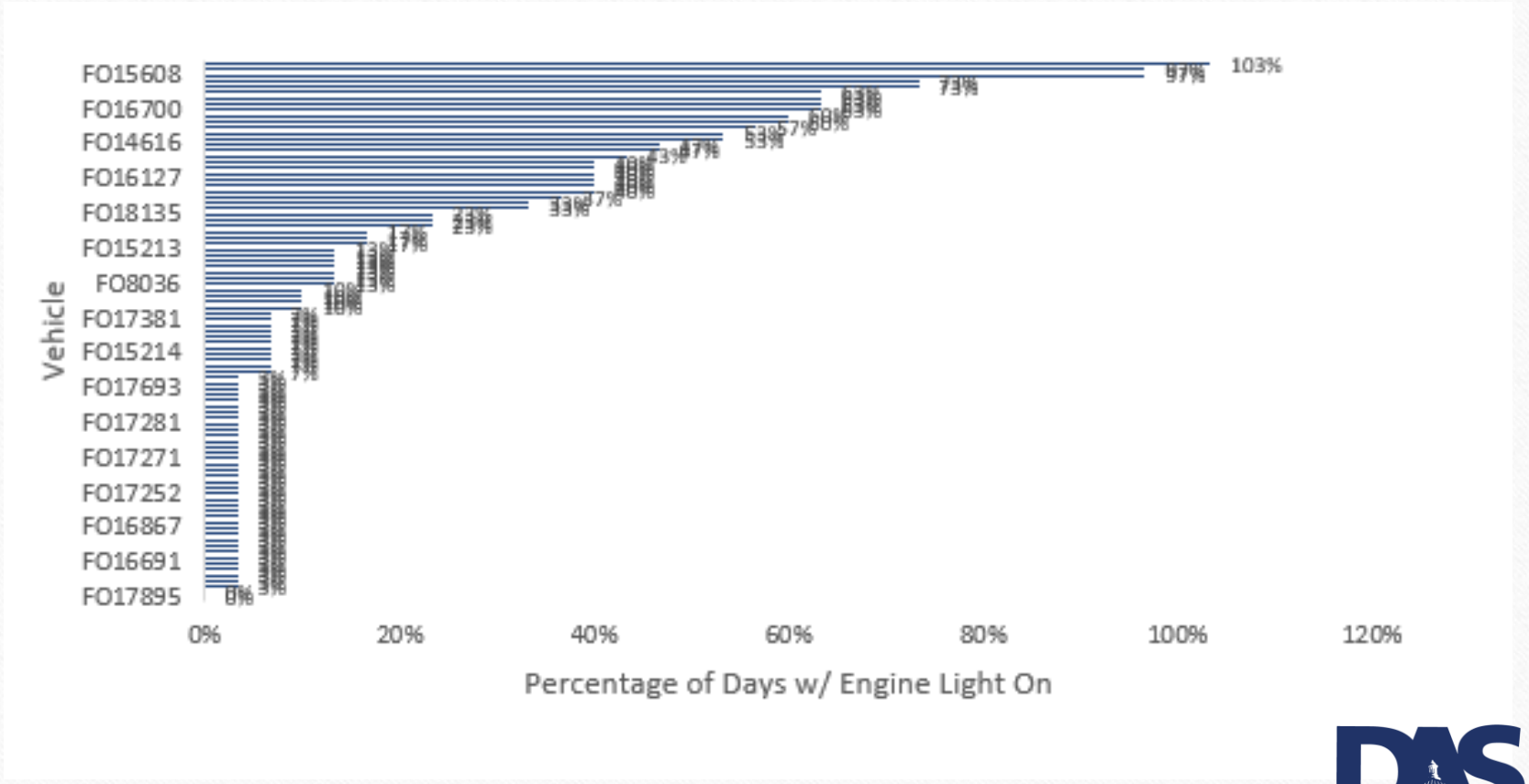
Engine Light Report

Eric Burton, eburton@Utah.gov



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Engine Light Report

Eric Burton, eburton@Utah.gov

Engine Faults

FO16700 CRAPP3, C Passenger

- Crankshaft position - camshaft position correlation bank 1 sensor b
- Firmware update applied
- General vehicle warning light is on
- Low priority warning light on
- Transmission fluid pressure sensor/switch D circuit low
- Transmission fluid pressure sensor/switch E circuit low

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Engine Light Report

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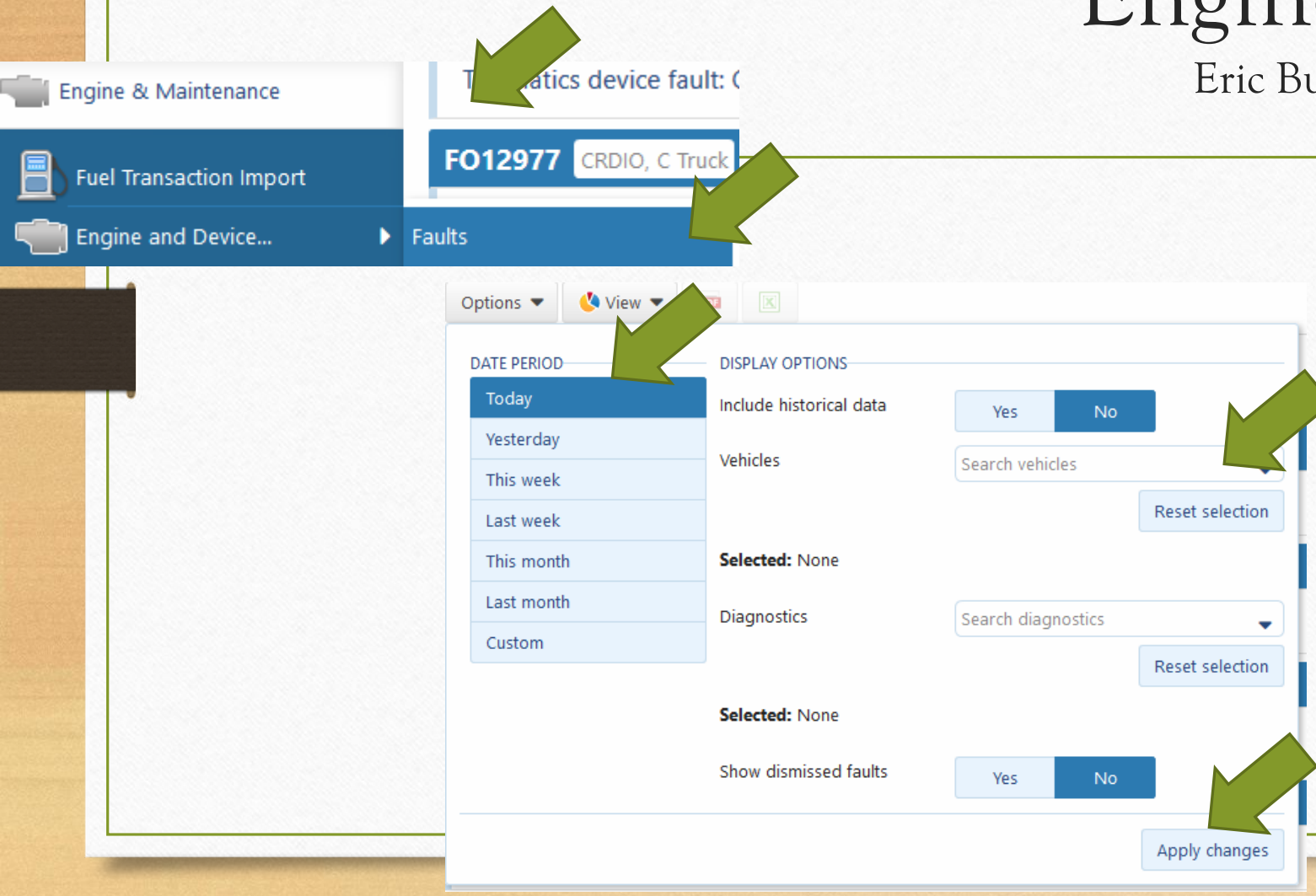

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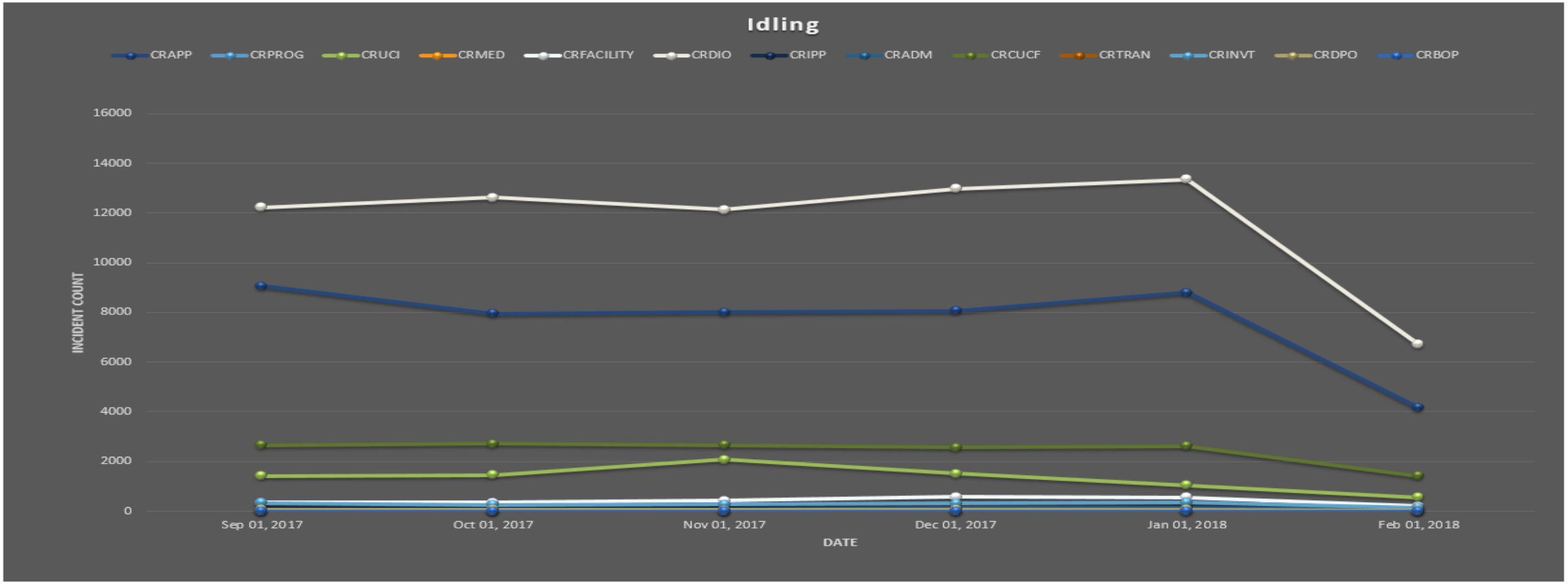
GEOTAB

Period Start Date	CRAPP	CRPROG	CRUCI	CRMED	CRFACILI	CRDIO	CRIPP	CRADM	CRCUCF	CRTRAN	CRINVT	CRDPO	CRBOP	Grand Total
Sep 01, 2017	9049	1	1425	40	353	12229	116	59	2652	9	325	67	0	26325
Oct 01, 2017	7959	2	1458	58	352	12615	111	49	2720	7	254	59	0	25644
Nov 01, 2017	8001	0	2075	62	428	12130	149	67	2661	16	277	56	0	25922
Dec 01, 2017	8053	1	1504	77	576	12981	147	131	2562	16	306	68	0	26422
Jan 01, 2018	8796	0	1042	70	557	13359	160	146	2615	22	351	57	0	27175
Feb 01, 2018	4162	1	550	36	193	6718	96	64	1423	6	138	27	0	13414
Grand Total	**46020**	**5**	**8054**	**343**	**2459**	**70032**	**779**	**516**	**14633**	**76**	**1651**	**334**	**0**	**144902**



Telematics

- ~~Phase I: Installation~~
- ~~Phase II: Training and Optimization~~
- Phase III: Report

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SUCCESS + Project

Geotab Pilot Study

September 4, 2018

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Geotab Pilot Study

- The State of Utah Division of Fleet Operations has completed the first full year of their Geotab telematics pilot.
- This report reviews: findings discovered, best practices developed, areas of improvement they plan to achieve, and overall cost analysis of the program thus far and estimated in the future.

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Governor's Report

Objectives Defined

- Reduce Fuel Costs
- Reduce Maintenance Costs
- Reduce Accident Costs
- Reduce Unnecessary Fleet Vehicles
- Increase Productivity

Telematics Defined

- The Gathering, transmitting, storing, and processing of vehicle data for the purpose of tracking and monitoring vehicle measurements and utilization.

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Short-Term Tactics

- ***Fuel Savings***:
  - Discourage unnecessary idling and excessive speeding
- ***Maintenance Savings***:
  - Proactively manage check engine light alerts and low battery notifications.
- ***Accident Savings***:
  - Real-time driver alerts increase seat belt usage.
  - Reduction of speeding and aggressive driving behavior
- ***Underutilization***:
  - Analyze utilization on miles including number of days.

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Obstacles

- ***Logistics***:
  - Distance, weather and total number of units
- ***Installation***:
  - Trouble shooting poor installations.
  - Standards for the differing types of vehicles
  - Best practices learned
- ***Training***:
  - Training took place in stages
  - Delay in seeing results
- ***Policy***:
  - Longer than expected time creating rules and policies to govern telematics.

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Results from Pilot Group

Savings Summary

	Fuel Savings	Maintenance Savings	Safety Savings	Total Savings	Cost of Telematics
Cumulative Monthly	$11,540.00	$7,500.00	$4,763.00	$23,803.00	$21,547.00
Cumulative Annually	$138,460.00	$90,000.00	$56,760.00	$285,220.00	$258,567.00
Per Device per Month	$10.60	$6.90	$4.30	$21.80	$19.75

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Results from Pilot Group

	$ Cost Per Vehicle Per Month
Device Cost	0.00
Device Service Cost	-19.75
Device Administration Cost	-5.50
Device Installation Cost	-0.50
Commercial Maintenance Savings	11.20
Internal Maintenance Savings	2.34
Fuel Cost Savings	14.80
Accident Savings	2.12
Total	4.71

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Future Savings and Success

- ***Predictive Analytics***:
  - Battery Failure
  - Accidents
  - Maintenance
- ***Smart State Insights:***
  - Traffic flow and considerations (i.e. potholes, roadside temperatures, signal optimization)
  - Real time pollution data

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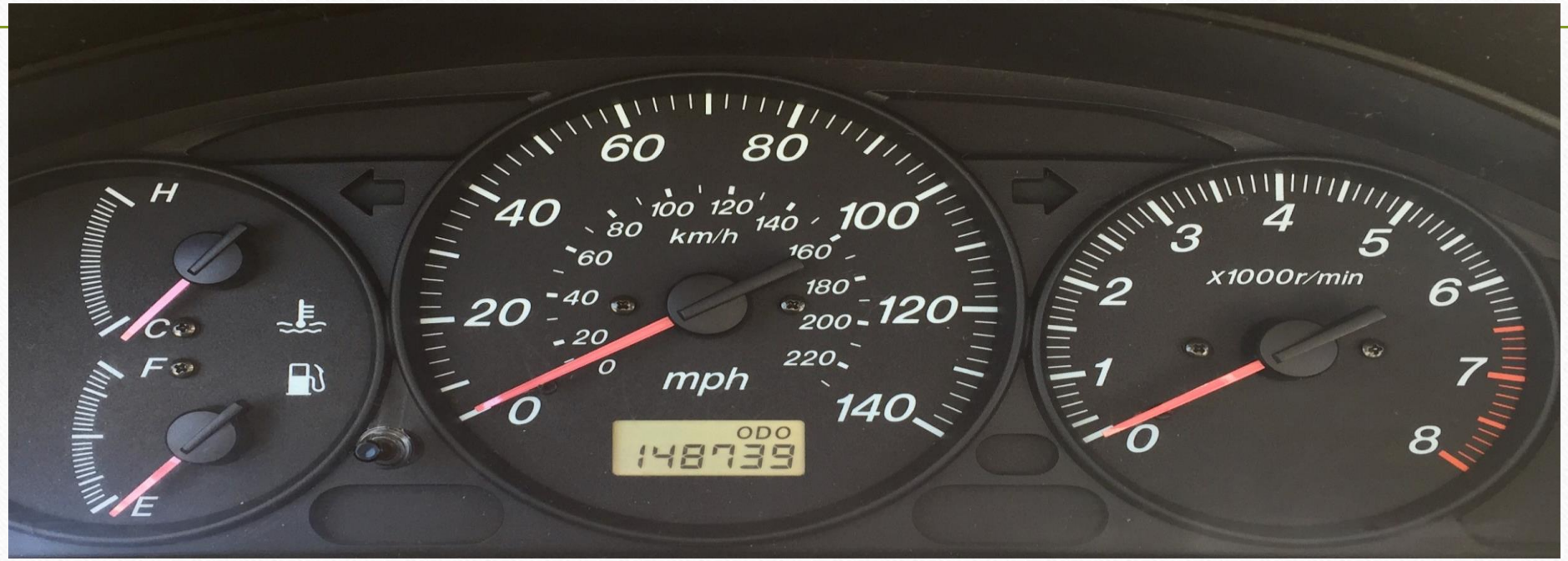
Life Cycle Audit



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Lowest Total Cost of Ownership

- Life Cycle Audit –
  - Salvage value has greatest impact on lowering overall life cycle cost.
  - Shorten lifecycles
  - Speed up mileage accumulation

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Internal Audit recommendation

"Utah develop a vehicle management system… that encourage a lower cost per mile. Fleet should meet with Agencies to develop mileage classes, standards, lease rates and terms. Times to surplus and ages could vary depending on agency needs but lease terms of 90,000 to 100,000 miles and 6 to 8 years should be considered for usual travel. Minimum mileage standards should be enforced."

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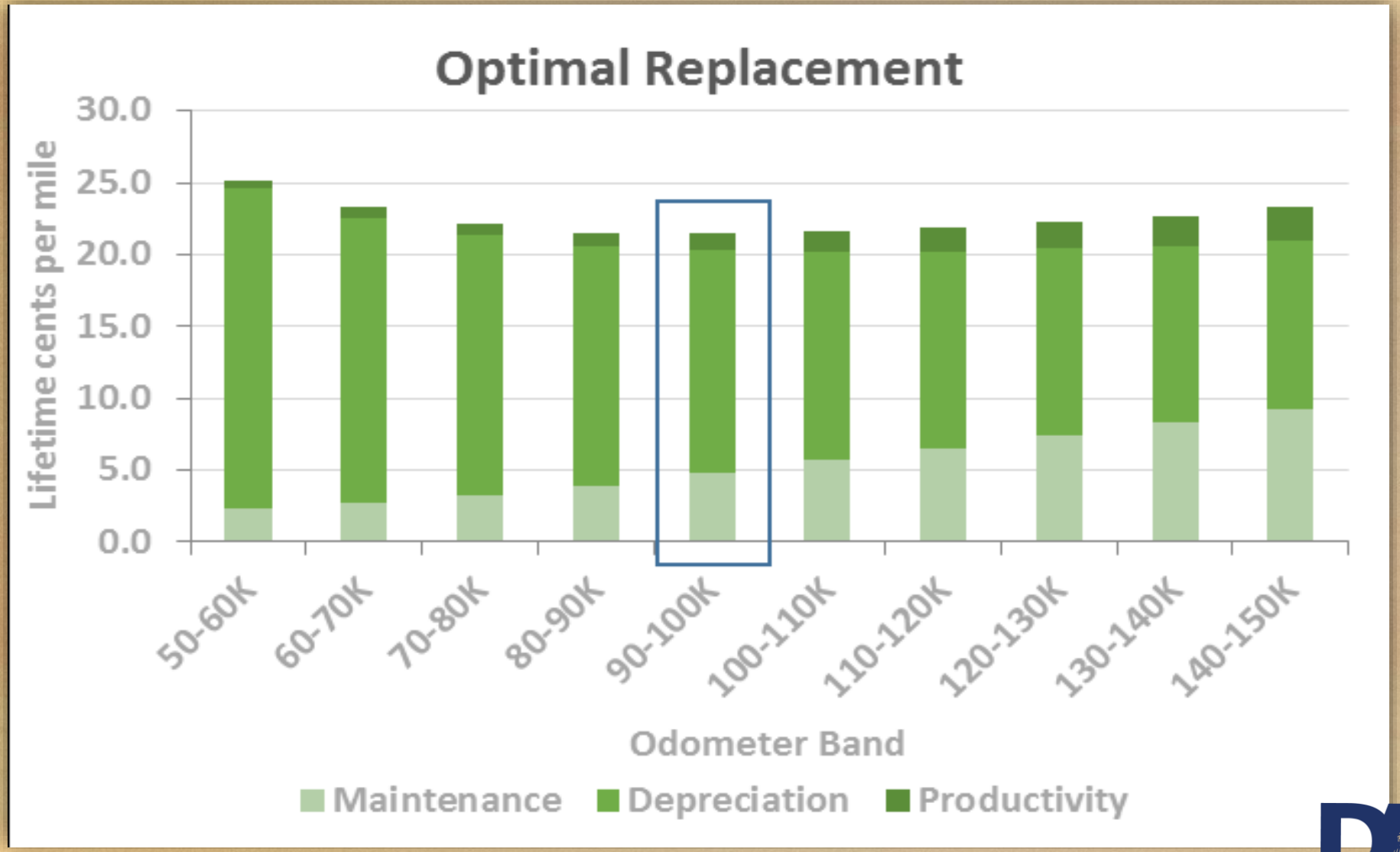
Wheels Analysis - **Sedans**



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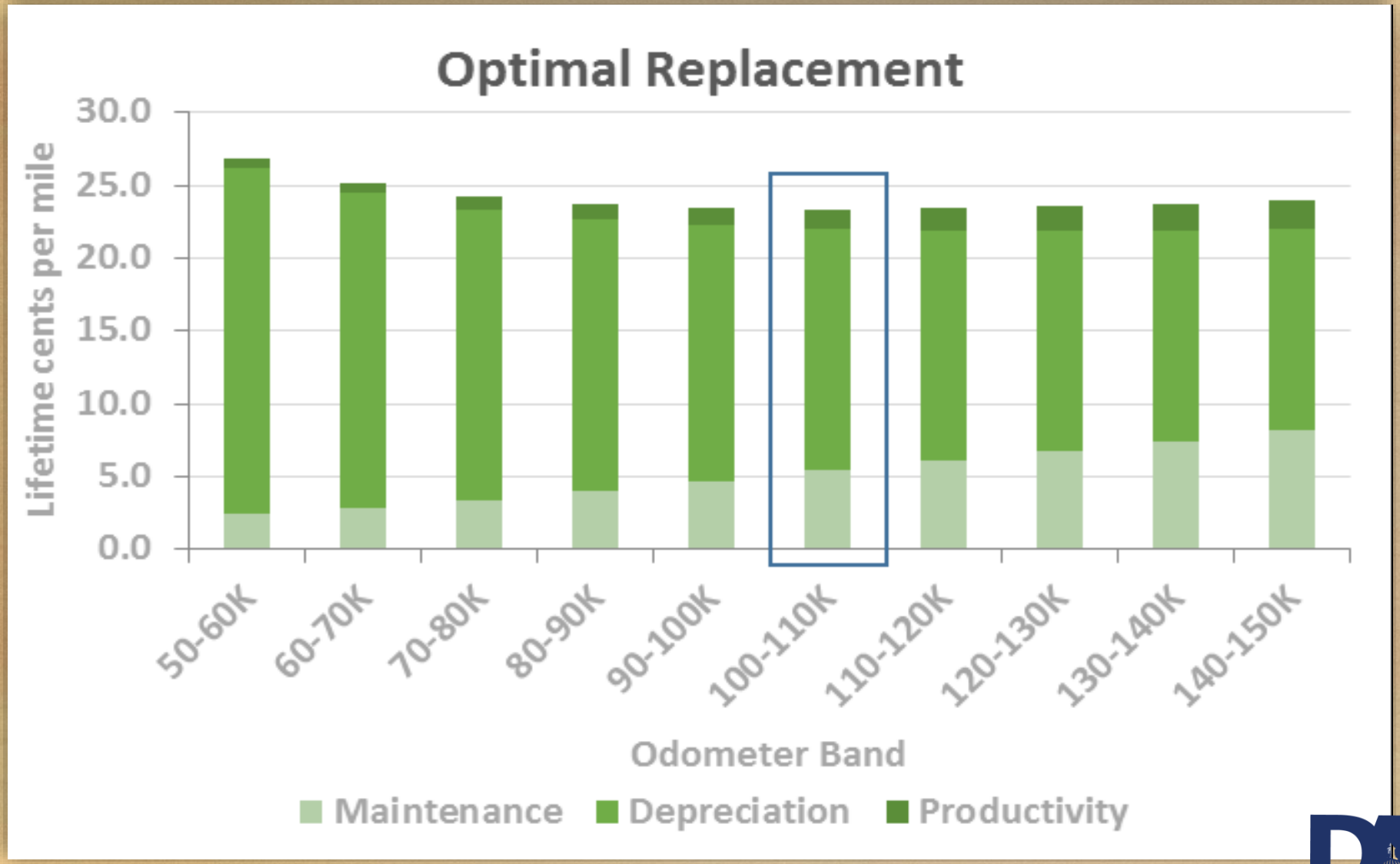
Wheels Analysis – **Half Ton Pickup Trucks**



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Mileage Standards

Utah's standards are generally between 5,500 – 7,032 per year

Mileage Standards for Three States

STATE	STANDARD (Minimum Miles Per Year General Purpose Sedan)
Oregon	7080*
Washington	10,000
North Dakota	14,000
	*Oregon has multiple standards.
	7080/year is the lowest

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Age and Mileage Standards

- 39% of the fleet is over 6 years old
- 29% of fleet is currently identified as underutilized

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Discuss Future Plans

- Vehicle Replacements caught up – start to shorten and work to update process, policies and rules.
- Better utilization standards that include time, days and miles. Work to update process, policies and rules.

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New App

Can be found on Google Play and iTunes under “Utah DFO”

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Enhancements to the App

- Design updates
- Maintenance Vendor Rating System
  - Price, customer experience, rework, billing
- Trip cost estimator

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COGNOS Tool Training

Tamara Anton

Utah Division of Fleet Operations

Cognos Reporting Tool Training

URL: https://analytics.dts.Utah.gov/ibmcognos

- Purpose: Provide actionable data to Agencies, Upper Management and Fleet Managers.

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Access

You must request access to Cognos through your Fleet Manager.

Fleet Managers will contact Karen Maycock, Fleet Operations at kmaycock@Utah.gov Fleet Managers will provide employee name and email address

Higher Education Access:

Current email address can be used

Go to: https://login.Utah.gov/user/create to create an account

Complete form, security questions, enter code that will be sent to your email address and press activate

Follow the three steps above for **State employees**.

Sign onto Cognos using your LAN or account sign on

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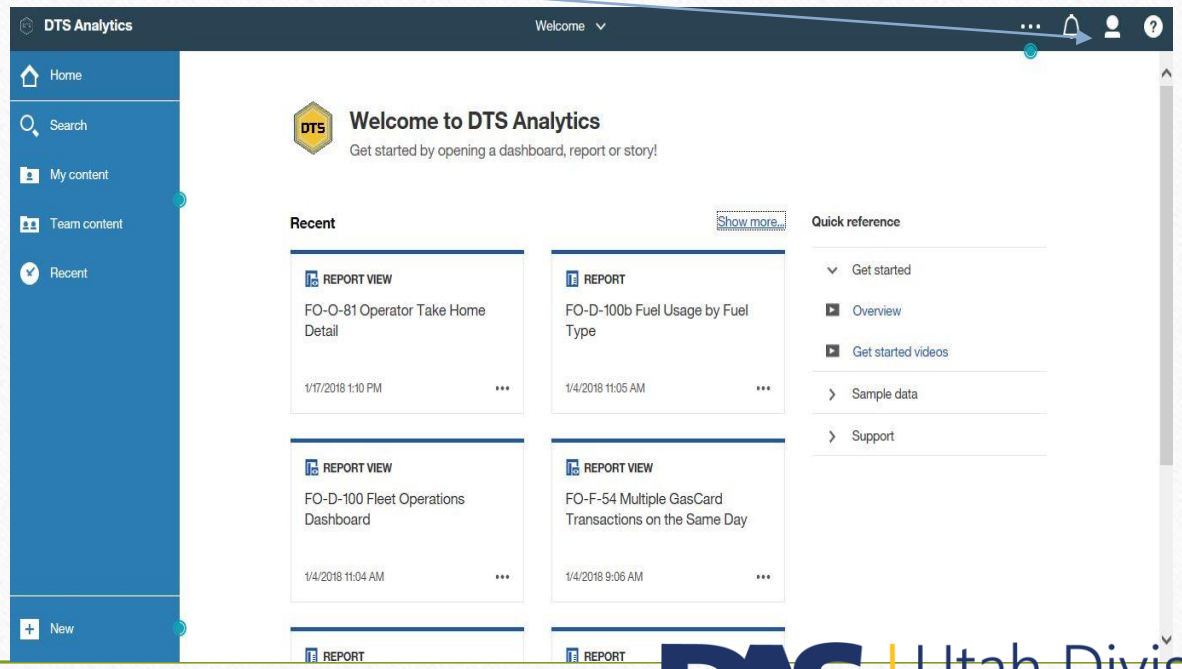
Sign on with LAN –
UMD Account Welcome page will display.

To Log Off: Click on the White Head on the right side of the banner.

(You won't have any reports in recent until you open a report)



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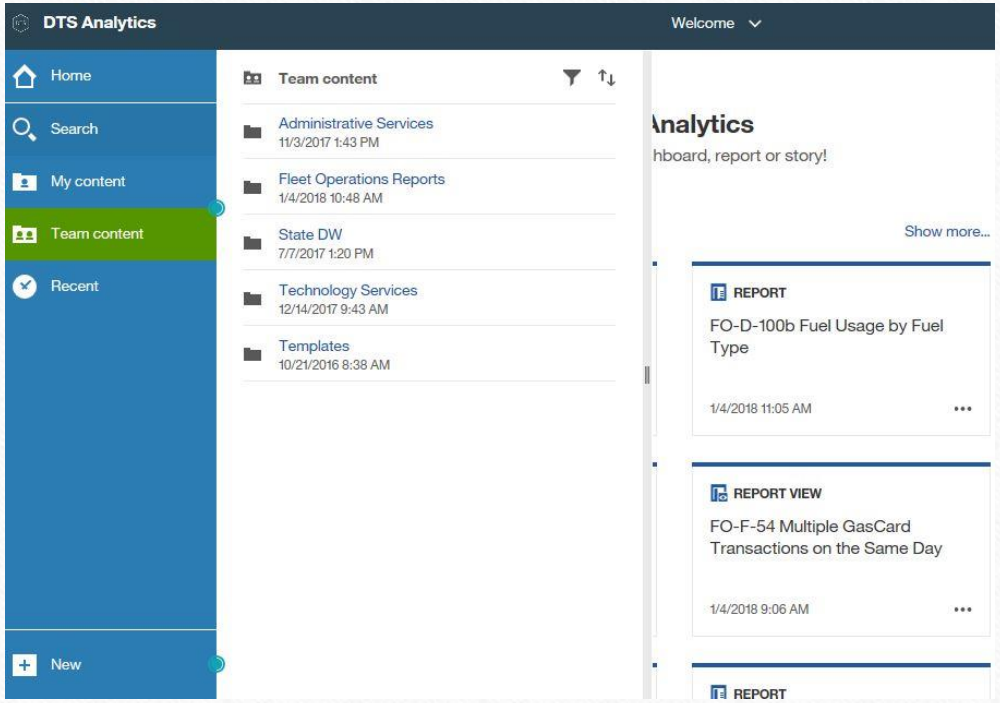
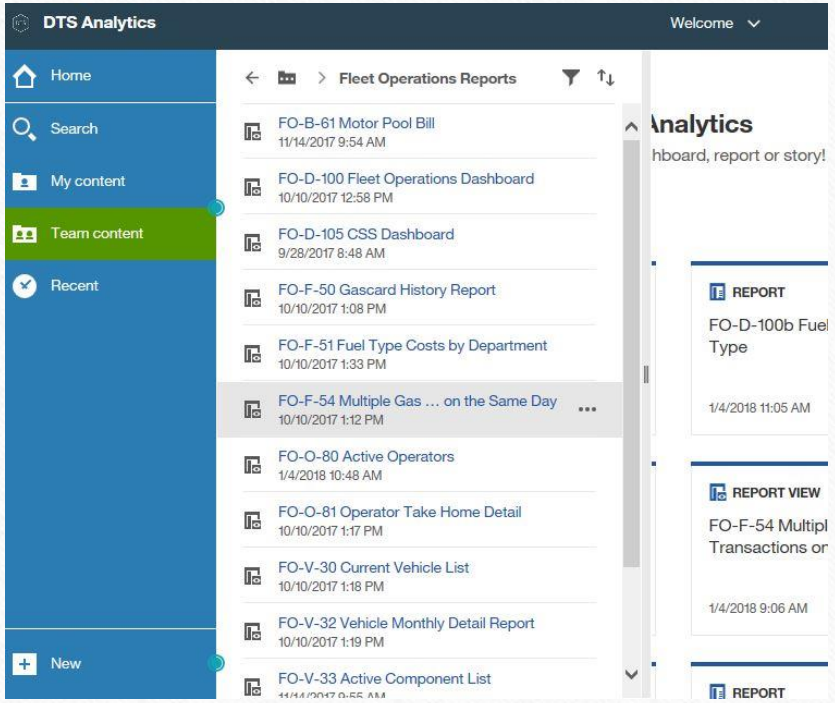
Select Team Content, then Fleet Operations to navigate to reports.

(Your options will look different due to security restrictions)





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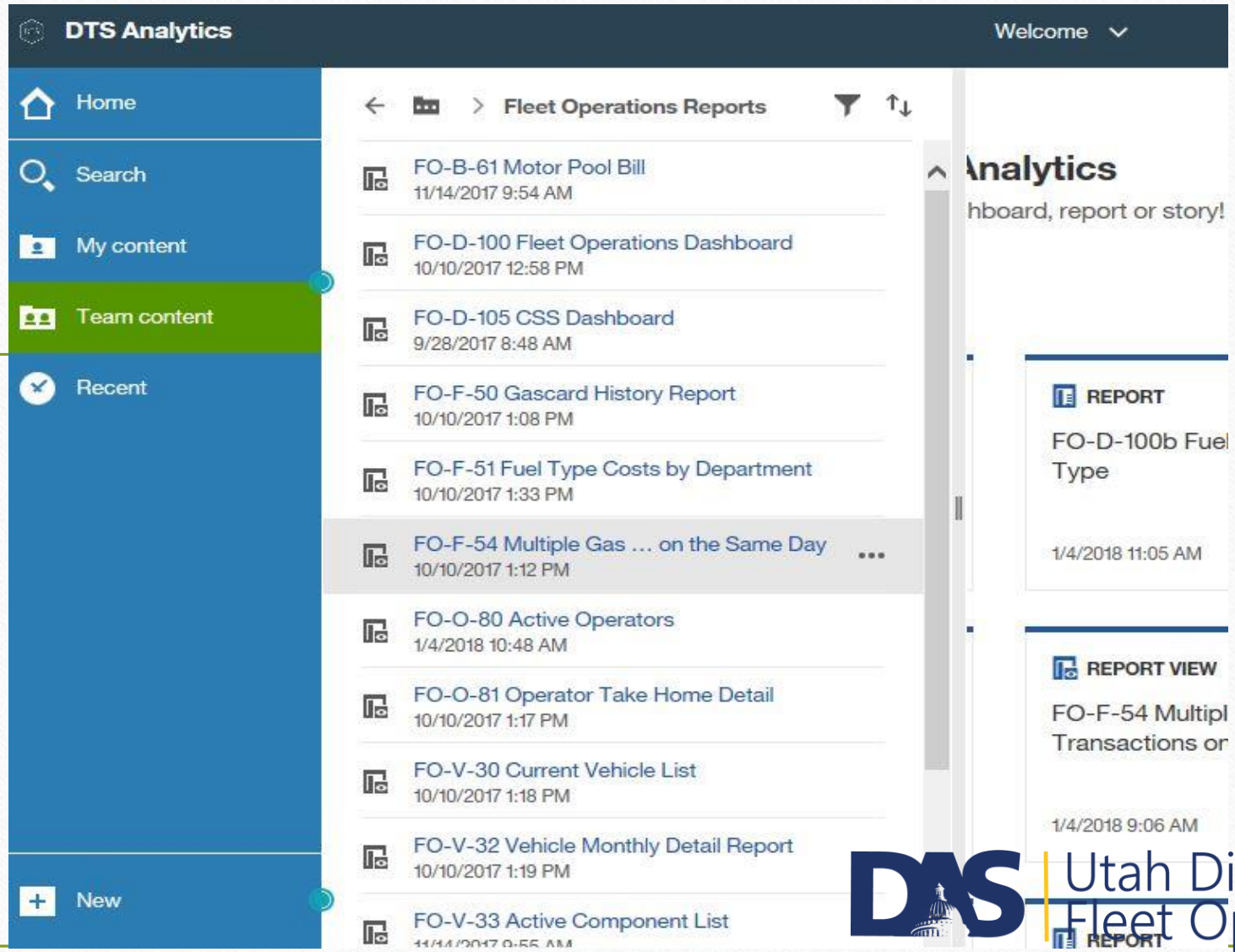
Navigating Cognos

Home will take to back to the welcome page

The Welcome with down arrow in the banner will show you the reports you have open. You can toggle back and forth between your open reports using this down arrow.

Search: Can look for a report with a keyword



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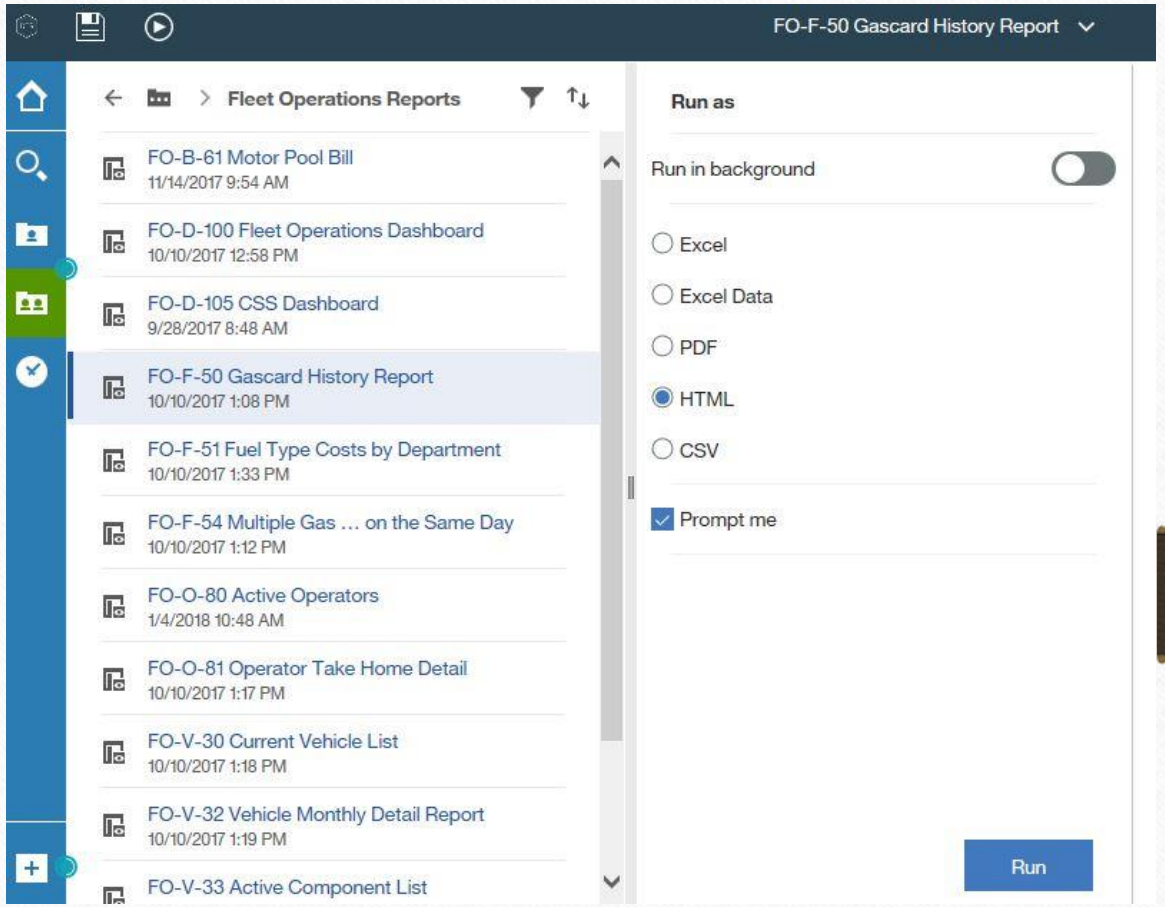
Navigating Cognos

To run a report, click on the report you wish to view. This will default to HTML format. If you click on the ellipse next to the report you will receive the options: HTML, PDF, EXCEL, EXCEL Data, CSV.

Recent reports viewed can be rerun by clicking on the ellipse and choosing the format.

To rerun, you can also click on the play button next to the save icon in the banner. This will give you the same options. If you rerun a report using a different format the prompt will remain from the previous format. Choose the reset prompts and run to clear the prompt.



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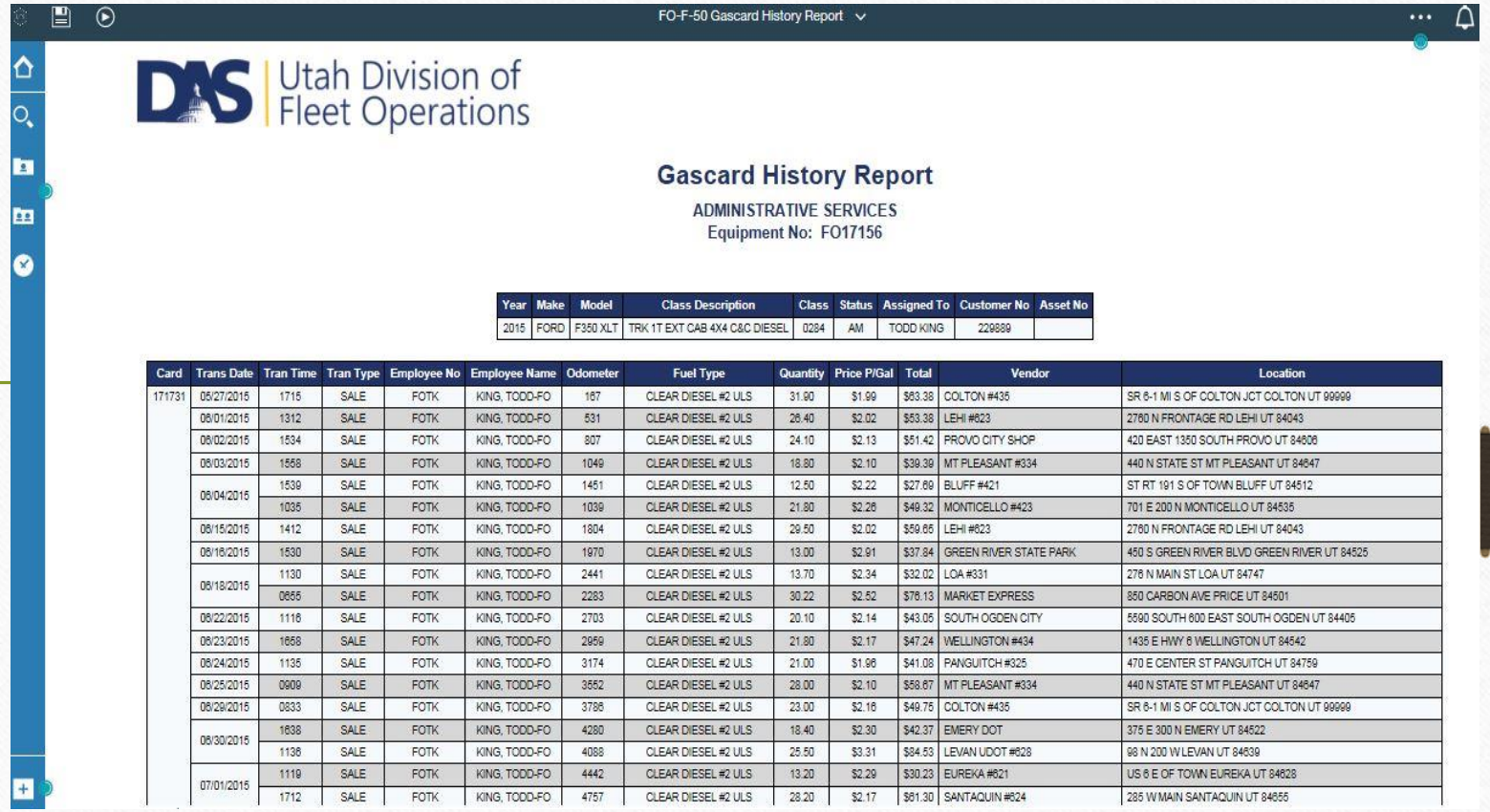
Running Cognos in HTML

HTML is the default format. Simply clicking on a report will run it in HTML

Or, click on the ellipse and choose HTML

If the report has a lot of data, you will see the page down, page up, top, bottom at the bottom of the page to help you navigate through the data



Year	Make	Model	Class Description	Class	Status	Assigned To	Customer No	Asset No
2015	FORD	F350 XLT	TRK 1T EXT CAB 4X4 C&C DIESEL	0284	AM	TODD KING	229889	

Card	Trans Date	Tran Time	Tran Type	Employee No	Employee Name	Odometer	Fuel Type	Quantity	Price P/Gal	Total	Vendor	Location
171731	05/27/2015	1715	SALE	FOTK	KING, TODD-FO	167	CLEAR DIESEL #2 ULS	31.90	$1.99	$63.38	COLTON #435	SR 6-1 MI S OF COLTON JCT COLTON UT 99999
	06/01/2015	1312	SALE	FOTK	KING, TODD-FO	531	CLEAR DIESEL #2 ULS	26.40	$2.02	$53.38	LEHI #623	2760 N FRONTAGE RD LEHI UT 84043
	06/02/2015	1534	SALE	FOTK	KING, TODD-FO	807	CLEAR DIESEL #2 ULS	24.10	$2.13	$51.42	PROVO CITY SHOP	420 EAST 1350 SOUTH PROVO UT 84606
	06/03/2015	1558	SALE	FOTK	KING, TODD-FO	1049	CLEAR DIESEL #2 ULS	18.80	$2.10	$39.39	MT PLEASANT #334	440 N STATE ST MT PLEASANT UT 84647
	06/04/2015	1539	SALE	FOTK	KING, TODD-FO	1451	CLEAR DIESEL #2 ULS	12.50	$2.22	$27.69	BLUFF #421	ST RT 191 S OF TOWN BLUFF UT 84512
		1035	SALE	FOTK	KING, TODD-FO	1039	CLEAR DIESEL #2 ULS	21.80	$2.26	$49.32	MONTICELLO #423	701 E 200 N MONTICELLO UT 84535
	06/15/2015	1412	SALE	FOTK	KING, TODD-FO	1804	CLEAR DIESEL #2 ULS	29.50	$2.02	$59.65	LEHI #623	2760 N FRONTAGE RD LEHI UT 84043
	06/16/2015	1530	SALE	FOTK	KING, TODD-FO	1970	CLEAR DIESEL #2 ULS	13.00	$2.91	$37.84	GREEN RIVER STATE PARK	450 S GREEN RIVER BLVD GREEN RIVER UT 84525
	06/18/2015	1130	SALE	FOTK	KING, TODD-FO	2441	CLEAR DIESEL #2 ULS	13.70	$2.34	$32.02	LOA #331	276 N MAIN ST LOA UT 84747
		0855	SALE	FOTK	KING, TODD-FO	2283	CLEAR DIESEL #2 ULS	30.22	$2.52	$76.13	MARKET EXPRESS	850 CARBON AVE PRICE UT 84501
	06/22/2015	1116	SALE	FOTK	KING, TODD-FO	2703	CLEAR DIESEL #2 ULS	20.10	$2.14	$43.05	SOUTH OGDEN CITY	5590 SOUTH 600 EAST SOUTH OGDEN UT 84405
	06/23/2015	1658	SALE	FOTK	KING, TODD-FO	2959	CLEAR DIESEL #2 ULS	21.80	$2.17	$47.24	WELLINGTON #434	1435 E HWY 6 WELLINGTON UT 84542
	06/24/2015	1135	SALE	FOTK	KING, TODD-FO	3174	CLEAR DIESEL #2 ULS	21.00	$1.96	$41.08	PANGUITCH #325	470 E CENTER ST PANGUITCH UT 84759
	06/25/2015	0909	SALE	FOTK	KING, TODD-FO	3552	CLEAR DIESEL #2 ULS	28.00	$2.10	$58.67	MT PLEASANT #334	440 N STATE ST MT PLEASANT UT 84647
	06/29/2015	0833	SALE	FOTK	KING, TODD-FO	3786	CLEAR DIESEL #2 ULS	23.00	$2.16	$49.75	COLTON #435	SR 6-1 MI S OF COLTON JCT COLTON UT 99999
	06/30/2015	1638	SALE	FOTK	KING, TODD-FO	4280	CLEAR DIESEL #2 ULS	18.40	$2.30	$42.37	EMERY DOT	375 E 300 N EMERY UT 84522
		1136	SALE	FOTK	KING, TODD-FO	4088	CLEAR DIESEL #2 ULS	25.50	$3.31	$84.53	LEVAN UDOT #628	98 N 200 W LEVAN UT 84639
	07/01/2015	1119	SALE	FOTK	KING, TODD-FO	4442	CLEAR DIESEL #2 ULS	13.20	$2.29	$30.23	EUREKA #621	US 6 E OF TOWN EUREKA UT 84628
		1712	SALE	FOTK	KING, TODD-FO	4757	CLEAR DIESEL #2 ULS	28.20	$2.17	$61.30	SANTAQUIN #624	285 W MAIN SANTAQUIN UT 84655

Utah Division of Fleet Operations

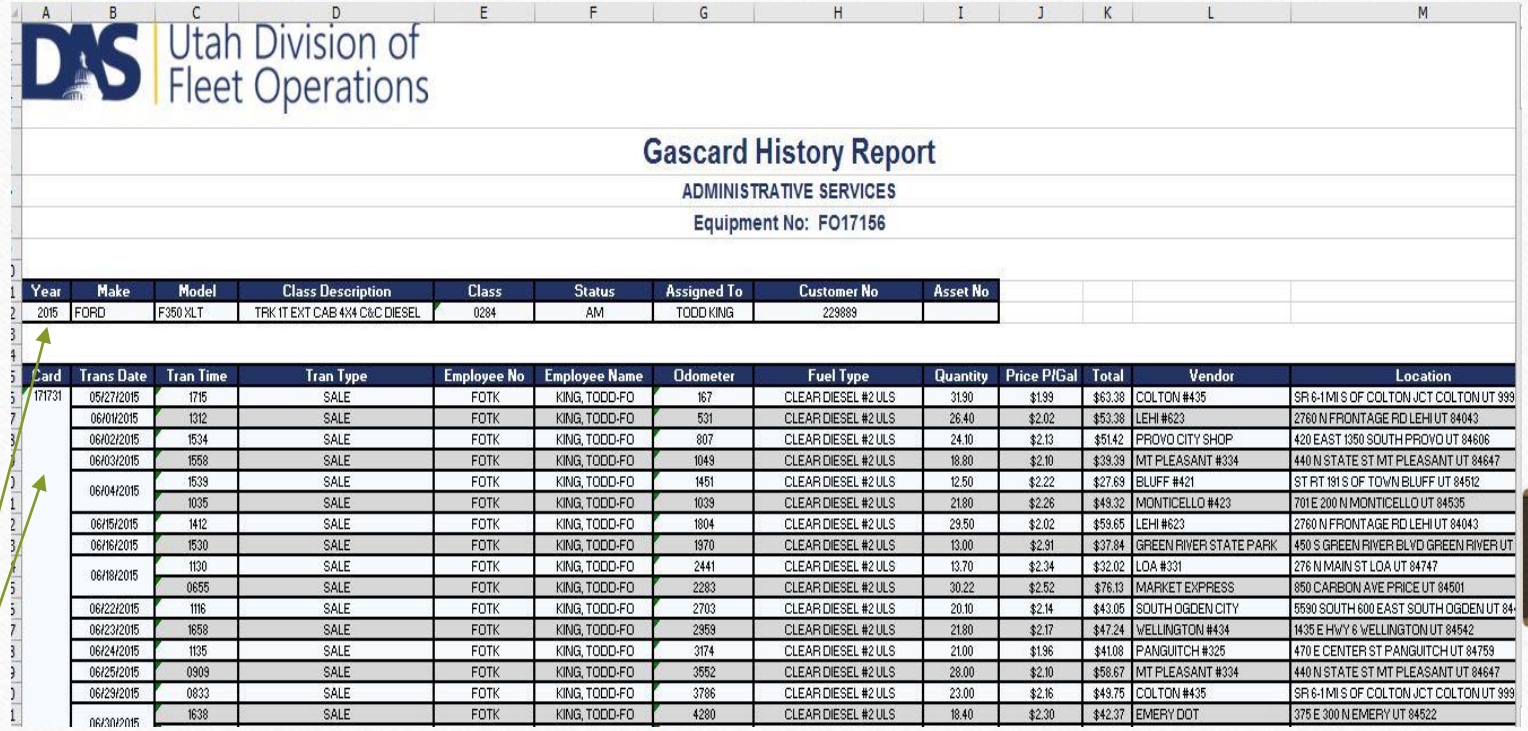
Running Cognos in Excel

Choosing Excel to run your reports will keep the format of the actual cognos report. You can then sort, filter your data.

For extremely lengthy reports data may appear on several tabs when downloaded.

Running Excel data will remove the formatting and just show the data.

If multiple lists (like shown), choosing excel will only display the top list.



Utah Division of Fleet Operations

Gascard History Report

ADMINISTRATIVE SERVICES

Equipment No: FO17156

Year	Make	Model	Class Description	Class	Status	Assigned To	Customer No	Asset No
2015	FORD	F350 XLT	TRK 1T EXT CAB 4X4 C&C DIESEL	0284	AM	TODD KING	229889	

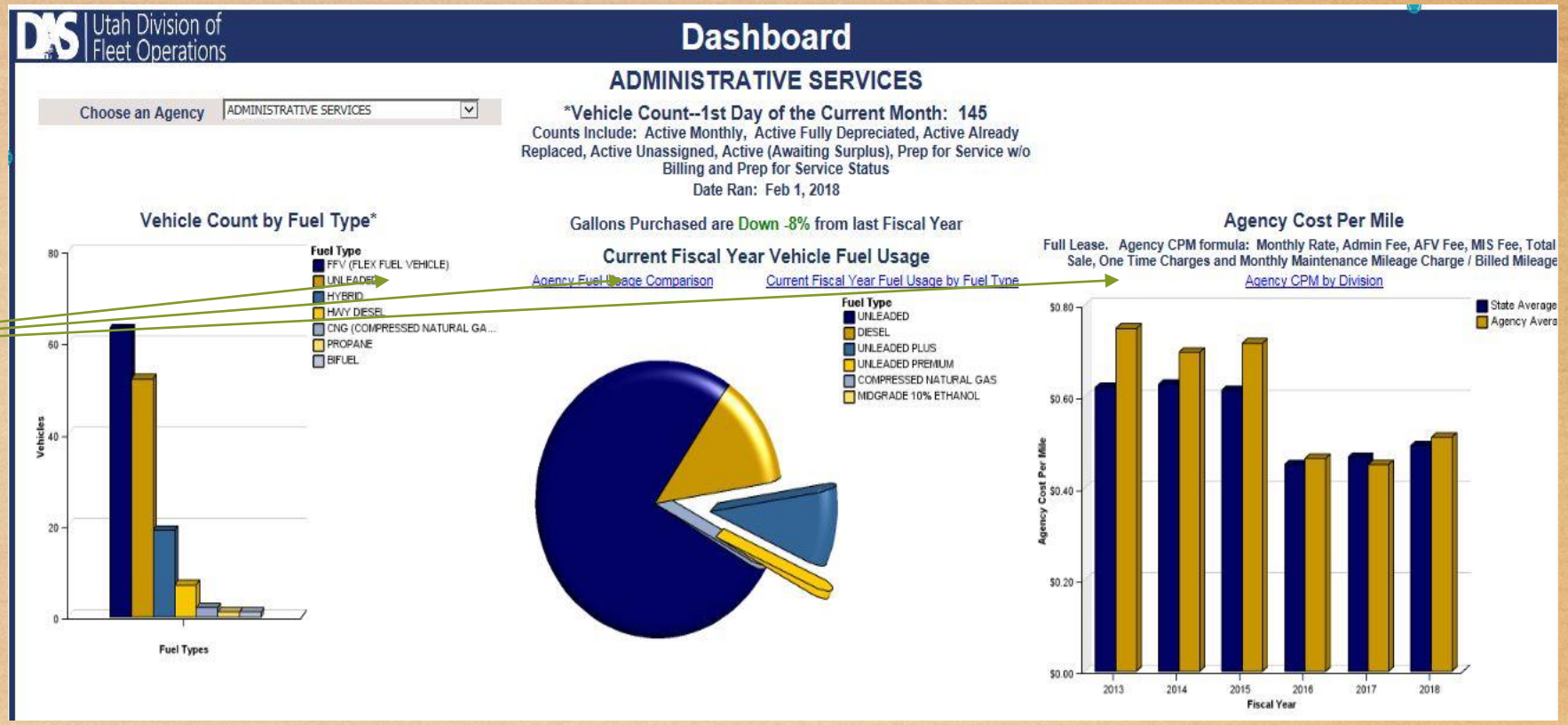
Card	Trans Date	Tran Time	Tran Type	Employee No	Employee Name	Odometer	Fuel Type	Quantity	Price P/Gal	Total	Vendor	Location
171731	05/27/2015	1715	SALE	FOTK	KING, TODD-FO	167	CLEAR DIESEL #2 ULS	31.90	$1.99	$63.38	COLTON #435	SR 6-1 MI S OF COLTON JCT COLTON UT 999
	06/01/2015	1312	SALE	FOTK	KING, TODD-FO	531	CLEAR DIESEL #2 ULS	26.40	$2.02	$53.38	LEHI #623	2760 N FRONTAGE RD LEHI UT 84043
	06/02/2015	1534	SALE	FOTK	KING, TODD-FO	807	CLEAR DIESEL #2 ULS	24.10	$2.13	$51.42	PROVO CITY SHOP	420 EAST 1350 SOUTH PROVO UT 84606
	06/03/2015	1558	SALE	FOTK	KING, TODD-FO	1049	CLEAR DIESEL #2 ULS	18.80	$2.10	$39.39	MT PLEASANT #334	440 N STATE ST MT PLEASANT UT 84647
	06/04/2015	1539	SALE	FOTK	KING, TODD-FO	1451	CLEAR DIESEL #2 ULS	12.50	$2.22	$27.69	BLUFF #421	ST RT 191 S OF TOWN BLUFF UT 84512
		1035	SALE	FOTK	KING, TODD-FO	1039	CLEAR DIESEL #2 ULS	21.80	$2.26	$49.32	MONTICELLO #423	701 E 200 N MONTICELLO UT 84535
	06/15/2015	1412	SALE	FOTK	KING, TODD-FO	1804	CLEAR DIESEL #2 ULS	29.50	$2.02	$59.65	LEHI #623	2760 N FRONTAGE RD LEHI UT 84043
	06/16/2015	1530	SALE	FOTK	KING, TODD-FO	1970	CLEAR DIESEL #2 ULS	13.00	$2.91	$37.84	GREEN RIVER STATE PARK	450 S GREEN RIVER BLVD GREEN RIVER UT
	06/18/2015	1130	SALE	FOTK	KING, TODD-FO	2441	CLEAR DIESEL #2 ULS	13.70	$2.34	$32.02	LOA #331	276 N MAIN ST LOA UT 84747
		0655	SALE	FOTK	KING, TODD-FO	2283	CLEAR DIESEL #2 ULS	30.22	$2.52	$76.13	MARKET EXPRESS	850 CARBON AVE PRICE UT 84501
	06/22/2015	1116	SALE	FOTK	KING, TODD-FO	2703	CLEAR DIESEL #2 ULS	20.10	$2.14	$43.05	SOUTH OGDEN CITY	5590 SOUTH 600 EAST SOUTH OGDEN UT 84
	06/23/2015	1658	SALE	FOTK	KING, TODD-FO	2959	CLEAR DIESEL #2 ULS	21.80	$2.17	$47.24	WELLINGTON #434	1435 E HWY 6 WELLINGTON UT 84542
	06/24/2015	1135	SALE	FOTK	KING, TODD-FO	3174	CLEAR DIESEL #2 ULS	21.00	$1.96	$41.08	PANGUITCH #325	470 E CENTER ST PANGUITCH UT 84759
	06/25/2015	0909	SALE	FOTK	KING, TODD-FO	3552	CLEAR DIESEL #2 ULS	28.00	$2.10	$58.67	MT PLEASANT #334	440 N STATE ST MT PLEASANT UT 84647
	06/29/2015	0833	SALE	FOTK	KING, TODD-FO	3786	CLEAR DIESEL #2 ULS	23.00	$2.16	$49.75	COLTON #435	SR 6-1 MI S OF COLTON JCT COLTON UT 999
	06/30/2015	1638	SALE	FOTK	KING, TODD-FO	4280	CLEAR DIESEL #2 ULS	18.40	$2.30	$42.37	EMERY DOT	375 E 300 N EMERY UT 84522

Utah Division of Fleet Operations

Drill through to details

Detail drill through reports are most often shown as hyperlinks

Double click on the hyperlink to view drill report



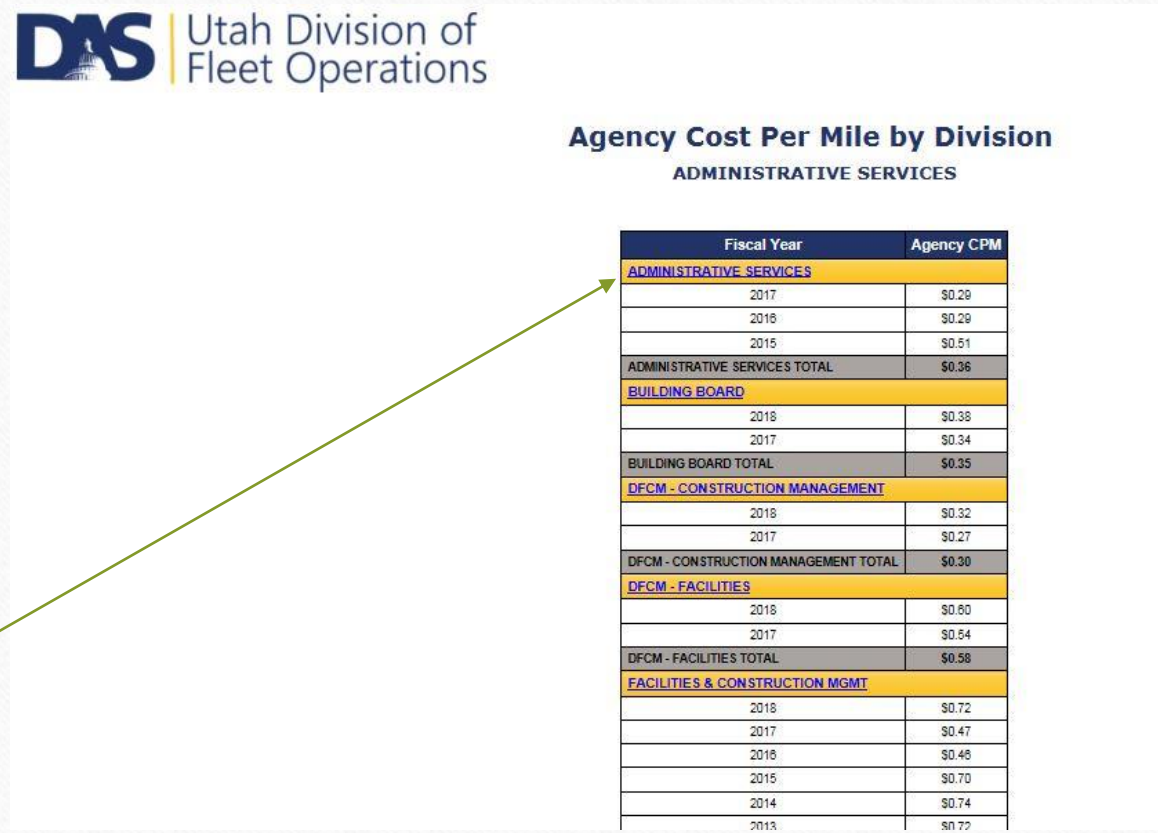
Utah Division of Fleet Operations

Drill Reports

There Can be drill reports within drill reports.

This drill allows you to break down the entire Agency (Administrative Services) into Divisions

Double click on the Division hyperlink.



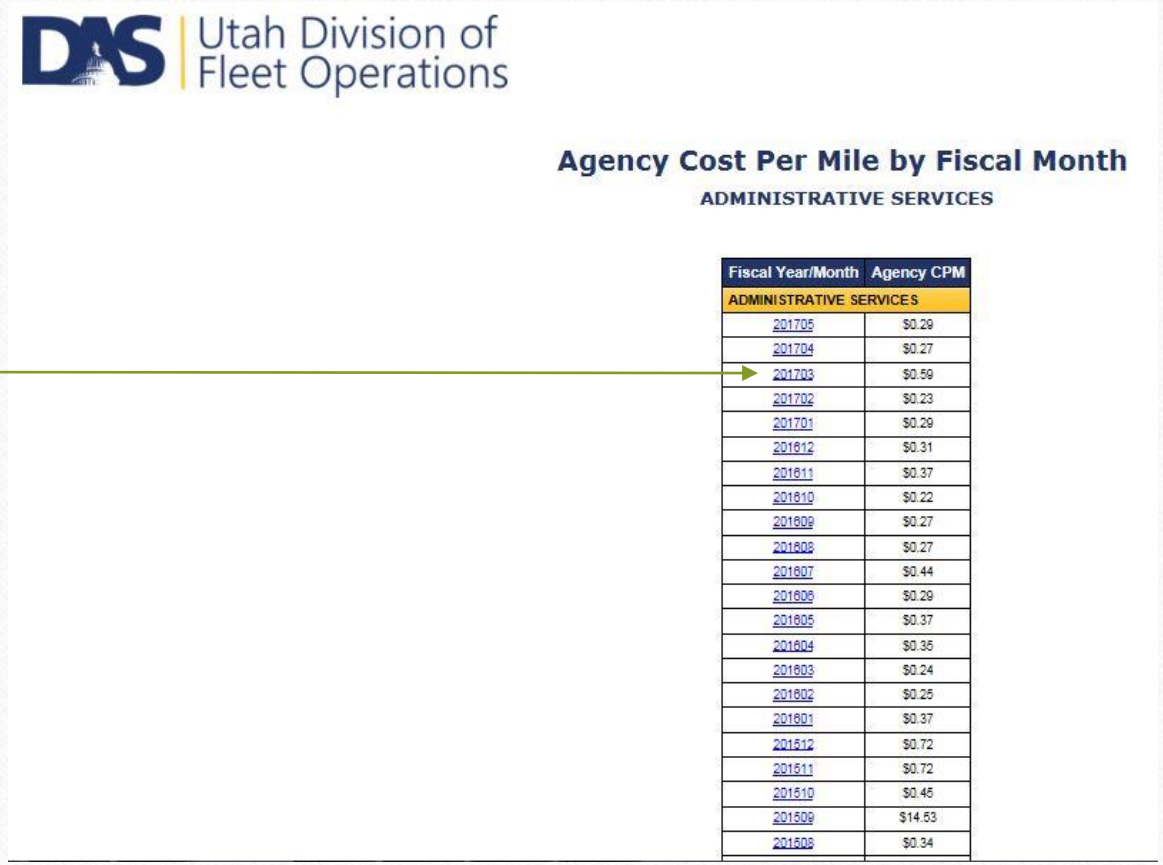
Fiscal Year	Agency CPM
ADMINISTRATIVE SERVICES	
2017	$0.29
2016	$0.29
2015	$0.51
ADMINISTRATIVE SERVICES TOTAL	$0.36
BUILDING BOARD	
2018	$0.38
2017	$0.34
BUILDING BOARD TOTAL	$0.35
DFCM - CONSTRUCTION MANAGEMENT	
2018	$0.32
2017	$0.27
DFCM - CONSTRUCTION MANAGEMENT TOTAL	$0.30
DFCM - FACILITIES	
2018	$0.60
2017	$0.54
DFCM - FACILITIES TOTAL	$0.58
FACILITIES & CONSTRUCTION MGMT	
2018	$0.72
2017	$0.47
2016	$0.46
2015	$0.70
2014	$0.74
2013	$0.72

Utah Division of Fleet Operations

Drill Reports

Now you can see the cost per mile by month seeing which month is driving up costs.

Double click on a month.



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Drill Reports

You will now see a listing of vehicles in the month of your choice.

Double click on the Vehicle to see the costs

Utah Division of Fleet Operations

Agency Cost Per Mile by Vehicle

201705

Equipment ID	Vehicle Description	Status	Agency CPM
ADMINISTRATIVE SERVICES			
FO16973	2015 TOYOTA PRIUS II	AM	$0.29

Utah Division of Fleet Operations

Drill Reports

Usually the final drill report will give you the lowest level of detail

DAS | Utah Division of Fleet Operations

Agency Cost Per Mile Vehicle Detail

Equipment No: FO16973

No Data Available

Fiscal Year/Month	Division	Billed Mileage	Lease Rate	Admin Fee	MIS Fee	AFV Fee	OTC Amount	Gallons	Total Sale	Mileage Rate	Maintenance Mileage Charge	Agency CPM
201509	ADMINISTRATIVE SERVICES	16	$165.08	$48.57	$2.72	$3.63	$0.00	1.000	$10.19	$0.14	$2.24	$14.53
201510	ADMINISTRATIVE SERVICES	840	$165.08	$48.57	$2.72	$3.63	$0.00	19.979	$42.57	$0.14	$117.60	$0.45
201511	ADMINISTRATIVE SERVICES	419	$165.08	$48.57	$2.72	$3.63	$0.00	9.788	$24.96	$0.14	$58.66	$0.72
201512	ADMINISTRATIVE SERVICES	437	$165.08	$48.57	$2.72	$3.63	$0.00	10.911	$33.64	$0.14	$61.18	$0.72
2015 Total		**1,712**	**$660.32**	**$194.28**	**$10.88**	**$14.52**	**$0.00**	**41.678**	**$111.36**		**$239.68**	**$0.72**
201601	ADMINISTRATIVE SERVICES	863	$165.08	$48.57	$2.72	$3.63	$0.00	20.202	$63.27	$0.04	$34.52	$0.37
201602	ADMINISTRATIVE SERVICES	1,581	$165.08	$48.57	$2.72	$3.63	$0.00	36.257	$84.93	$0.06	$94.86	$0.25
201603	ADMINISTRATIVE SERVICES	1,823	$165.08	$48.57	$2.72	$3.63	$0.00	42.684	$110.66	$0.06	$109.38	$0.24
201604	ADMINISTRATIVE SERVICES	933	$165.08	$48.57	$2.72	$3.63	$0.00	22.480	$48.72	$0.06	$55.98	$0.35
201605	ADMINISTRATIVE SERVICES	815	$165.08	$48.57	$2.72	$3.63	$0.00	18.872	$35.13	$0.06	$48.90	$0.37
201606	ADMINISTRATIVE SERVICES	1,183	$165.08	$48.57	$2.72	$3.63	$0.00	29.974	$57.40	$0.06	$70.98	$0.29
201607	ADMINISTRATIVE SERVICES	644	$165.08	$48.57	$2.72	$3.63	$0.00	17.773	$27.66	$0.06	$38.64	$0.44
201608	ADMINISTRATIVE SERVICES	1,326	$165.08	$48.57	$2.72	$3.63	$0.00	33.959	$53.85	$0.06	$79.56	$0.27
201609	ADMINISTRATIVE SERVICES	1,210	$165.08	$48.57	$2.72	$3.63	$0.00	28.188	$36.98	$0.06	$72.60	$0.27
201610	ADMINISTRATIVE SERVICES	1,908	$165.08	$48.57	$2.72	$3.63	$0.00	45.564	$78.52	$0.06	$114.48	$0.22
201611	ADMINISTRATIVE SERVICES	823	$165.08	$48.57	$2.72	$3.63	$0.00	19.418	$37.73	$0.06	$49.38	$0.37
201612	ADMINISTRATIVE SERVICES	1,073	$165.08	$48.57	$2.72	$3.63	$0.00	25.155	$47.94	$0.06	$64.38	$0.31
2016 Total		**14,182**	**$1,980.96**	**$582.84**	**$32.64**	**$43.56**	**$0.00**	**340.526**	**$680.79**		**$833.66**	**$0.29**
201701	ADMINISTRATIVE SERVICES	1,256	$165.08	$48.57	$2.72	$3.63	$0.00	28.381	$63.51	$0.06	$75.36	$0.29

Fleet Focus Reports

Utah Division of Fleet Operations

Unused Reports Going Away

- Meter Usage Excess And Negative Report
- Motor Pool Break Even Report

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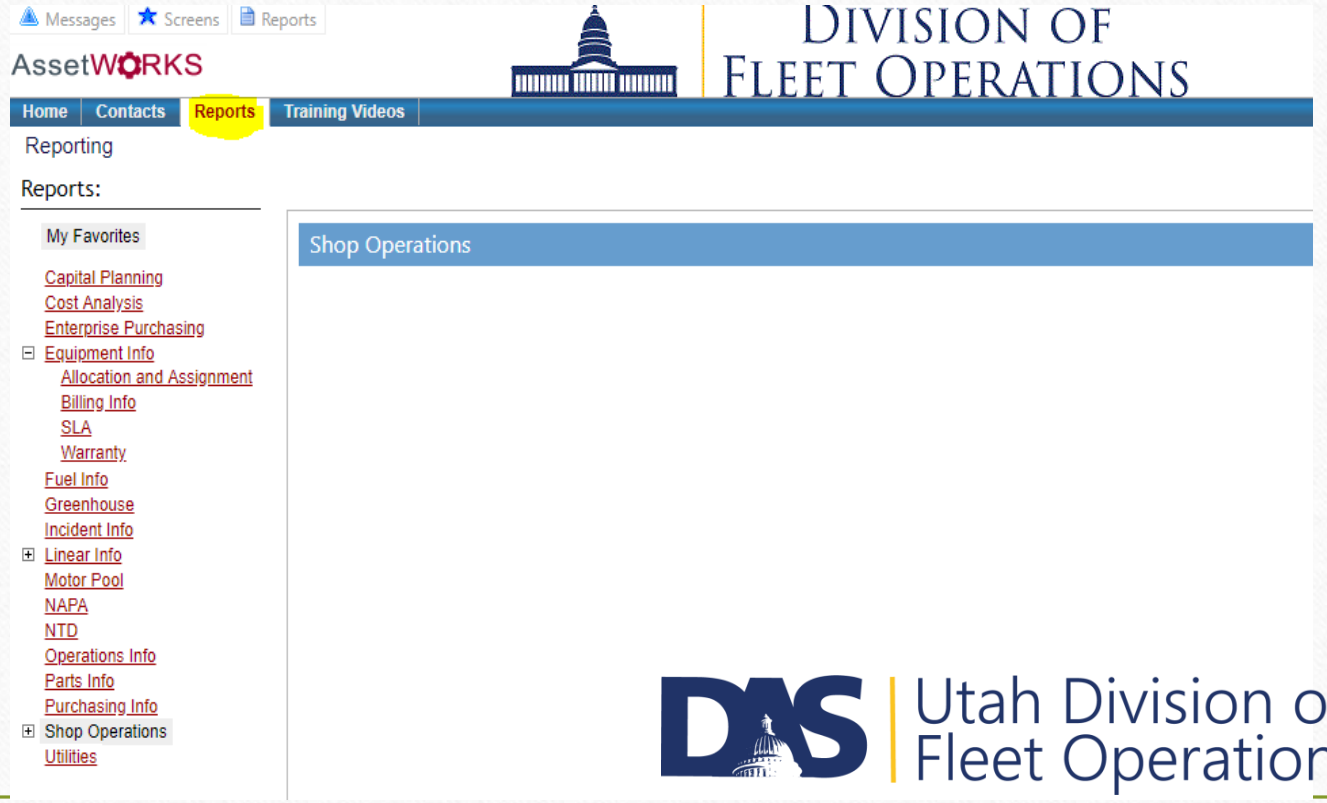
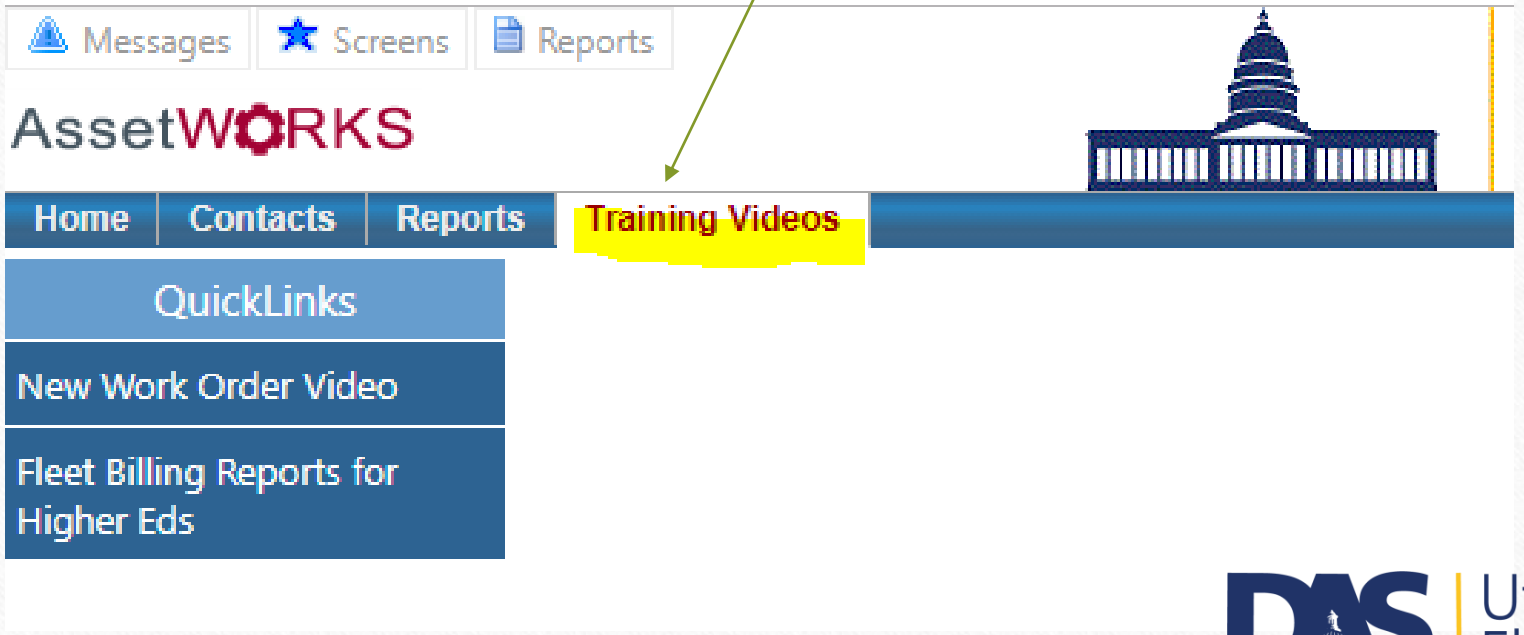
Location of Reports



DAS | Utah Division of Fleet Operations

Online Training

Fleet Operations will be making some training videos regarding individual reports.
Check here for tutorials coming soon!



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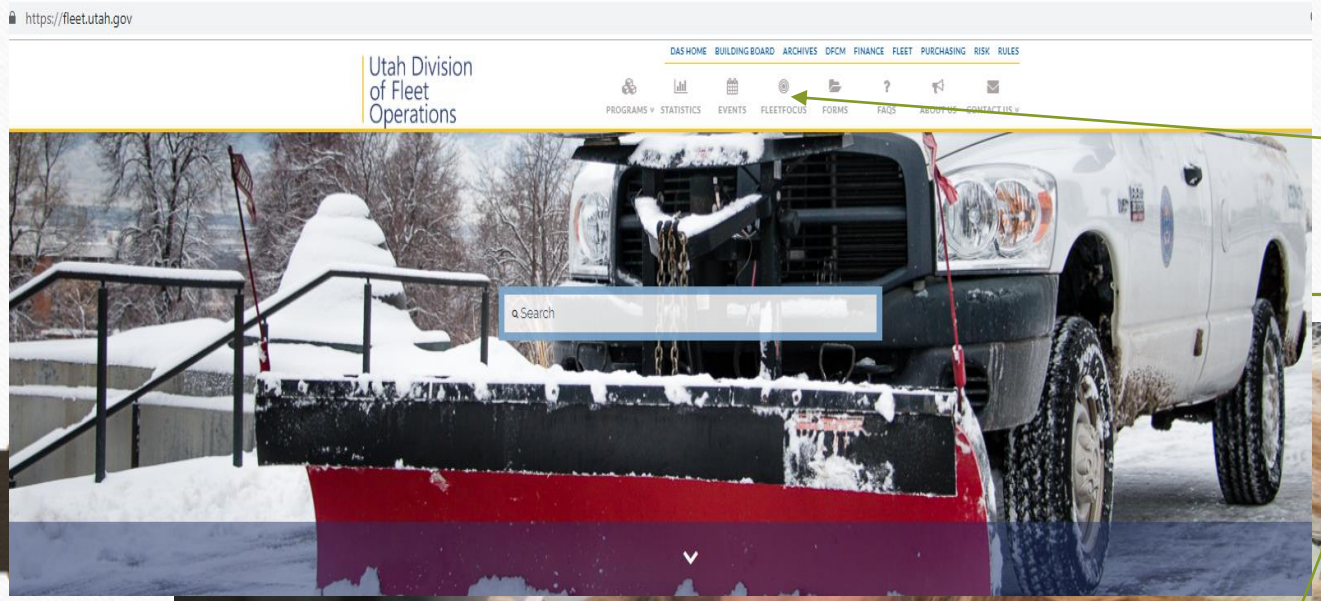
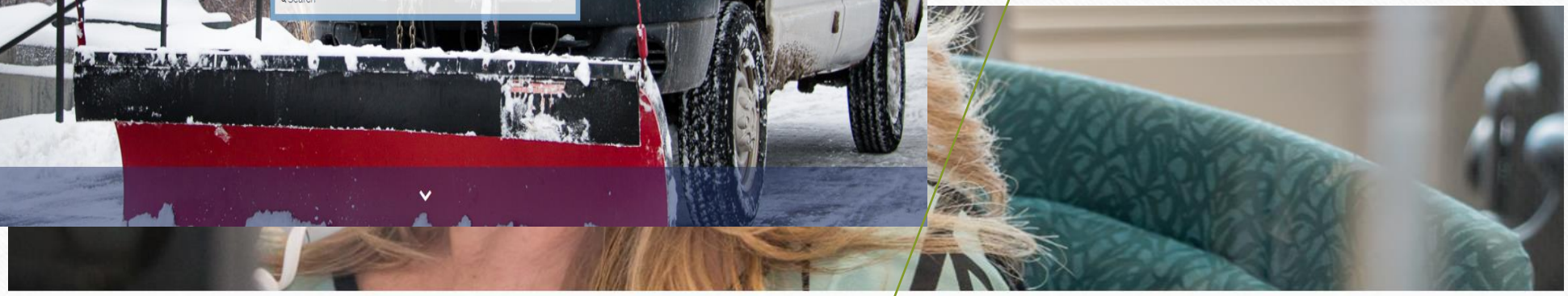
Web Reports	New Name	New Location
Statute 63A-9-401.5 - Vehicle Fleet Cost Efficiency Plans:		
Submit a Cost Efficiency Goal	TBD Google Doc or other	
Submit a Cost Efficiency Action Already Taken	TBD Google Doc or other	
Goals and Actions Report	TBD Google Doc or other	
Vehicle Level Reports: (Specific vehicle being queried)		
Vehicle Monthly Usage	FO-V-34 Vehicle Monthly Usage Report	Cognos
Gascard Fueling History: [.pdf file] [.xls file]	FO-F-50 Gascard History Report	Cognos
Gascard Fuel Billing History	FO-B-59 Fuel Bill Detail Report; FO-B-60 Fuel Bill Summary Report	Cognos
Vehicle Detail (previously called Maintenance History Report by Vehicle)	FO-V-32 Vehicle Monthly Detail Report	Cognos
Fleet Detail Reports: (All vehicles listed by user security)		
Bill - Motor Pool: [.pdf file] [.xls file]	FO-B-61 Motor Pool Bill - Prior to FY2019	Cognos
Bill - Motor Pool: [.pdf file] [.xls file]	Billing Reports FY19	FA
Bill - DOT Aeronautics: [.xls file]	DOT Aeronautics Billing	FA
Component Listing	FO-V-33 Active Component List	Cognos
Fleet at a Glance	Cognos Dashboards	Cognos
Meter Usage Excess and Negative Report	not recreating	
MotorPool Break Even Report	not recreating	
Outstanding Recalls Report	FO-V-35 Outstanding Recalls	Cognos
PMs Past Due (by mileage only): [.pdf file] [.xls file]	PMs Due	FA
PMs Soon Due (by mileage only): [.pdf file] [.xls file]	rolled into the PM's due report	
Vehicle Listing: [.pdf File] [.xls File]	FO-V-30 Current Vehicle List	Cognos
Vehicle Listing (sorted by Equip): [.pdf File]	FO-V-30 Current Vehicle List	Cognos
Accidents:		
Accident Report (Risk Management Only)	not recreating	
Accidents: [.pdf file] [.xls file (w/short description)] [.xls file (w/long description)]	Accident (currently only pdf	FA
Misc. Reports:		
Driver Safety Course Information: [.pdf file] [.xls file]		FA
Operator Report	FO-O-80 Active Operators	Cognos
Work Order Detail (Internal Only)		FA
Fuel Reports:		
Fuel Usage by Type Report	FO-F-55 Fuel Usage by Type	Cognos
Fuel Throughput for State-Owned Sites	TBD	
Additional Cognos Reports:	Description	
FO-D-100 Fleet Operations Dashboard	Dashboard includes drills for fuel usage and Vehicle Cost Per Mile Details	Cognos
FO-D-105 CSS Dashboard	Set for CSS 2018 Current Data; Will include drills with details in the future	Cognos
FO-F-54 Multiple Gascard Transactions on the Same Day		Cognos
FO-F-51 Fuel Type Costs by Department	Fuel usage by fuel type, vehicle and misc - with drills for details	Cognos
FO-O-81 Operator Take Home Detail	Take Home Details by Year	Cognos
FO-V-36 Monthly Utilization Rolling 12 Months	Utilization by Vehicle over rolling 12 month period	Cognos
Public Safety only Reports:		
FO-V-37 Public Safety Vehicle by Mileage Report		Cognos
FO-V-38 Public Safety Radio Report		Cognos

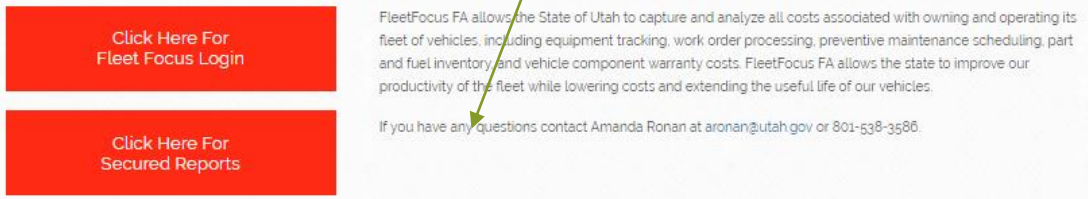
Utah Division of Fleet Operations



Website: Fleet.Utah.gov
Click on FleetFocus
Then click on "Click Here for Fleet Focus Login"



To obtain FF access: fill out online form. (Forms, Motorpool, Fleet Focus ID)



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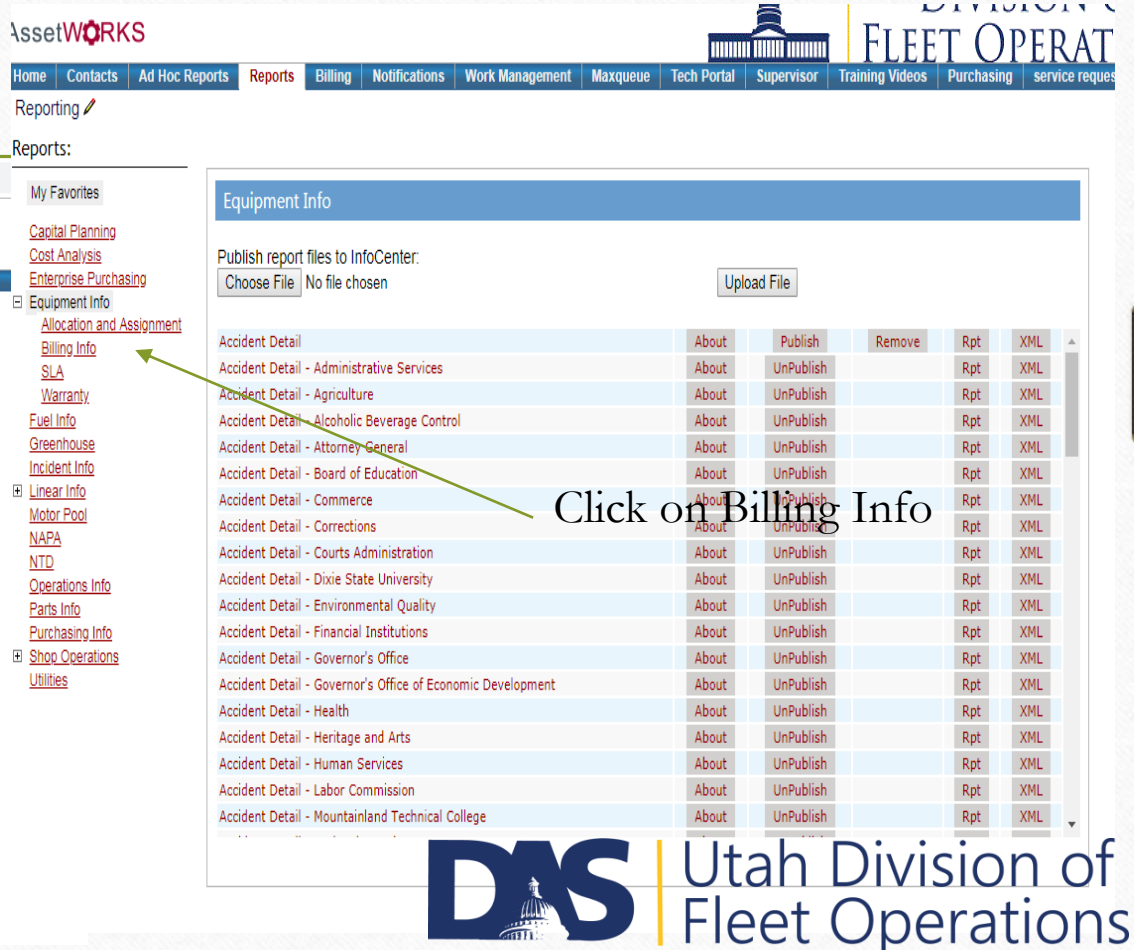
Fleet Focus Reports

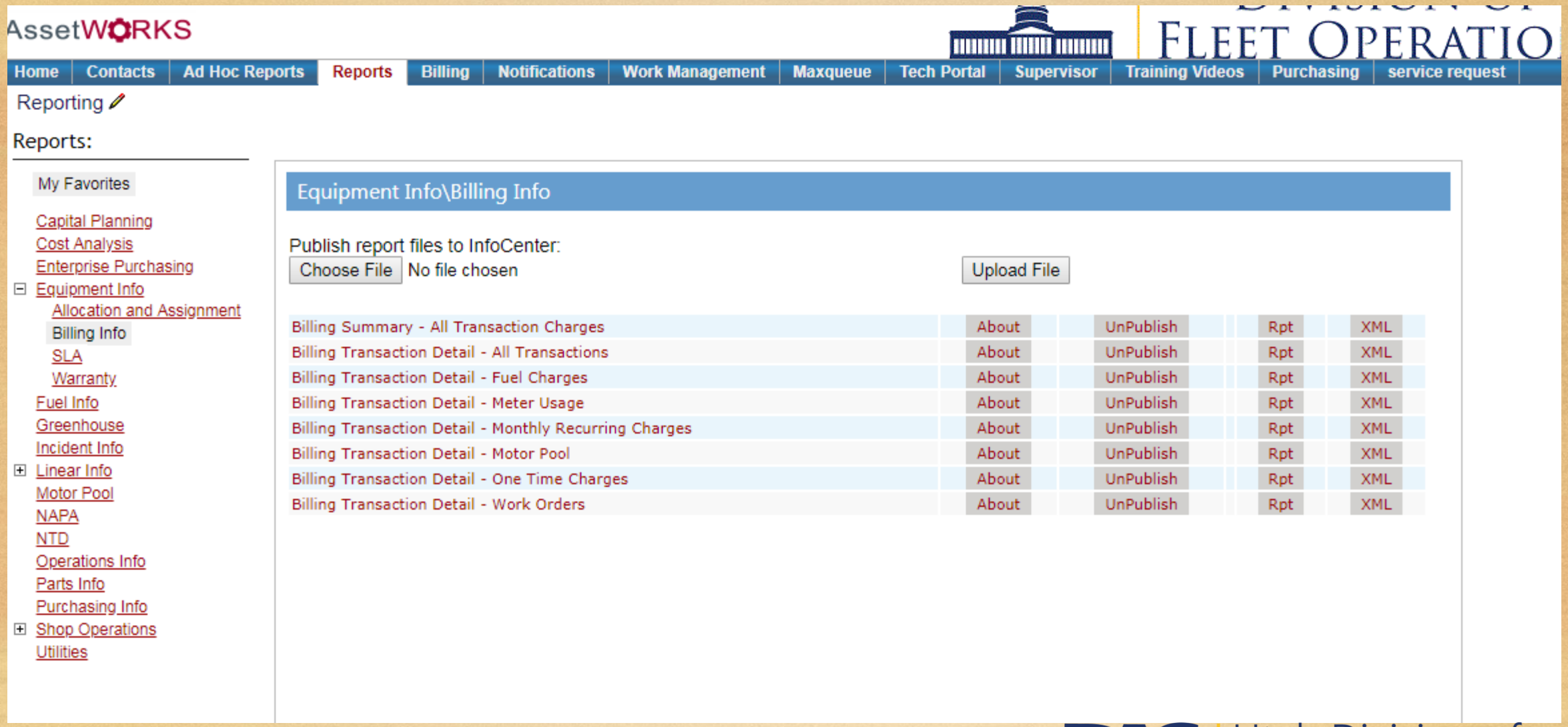
Click on the Reports tab

For Billing Reports
Click Equipment Info

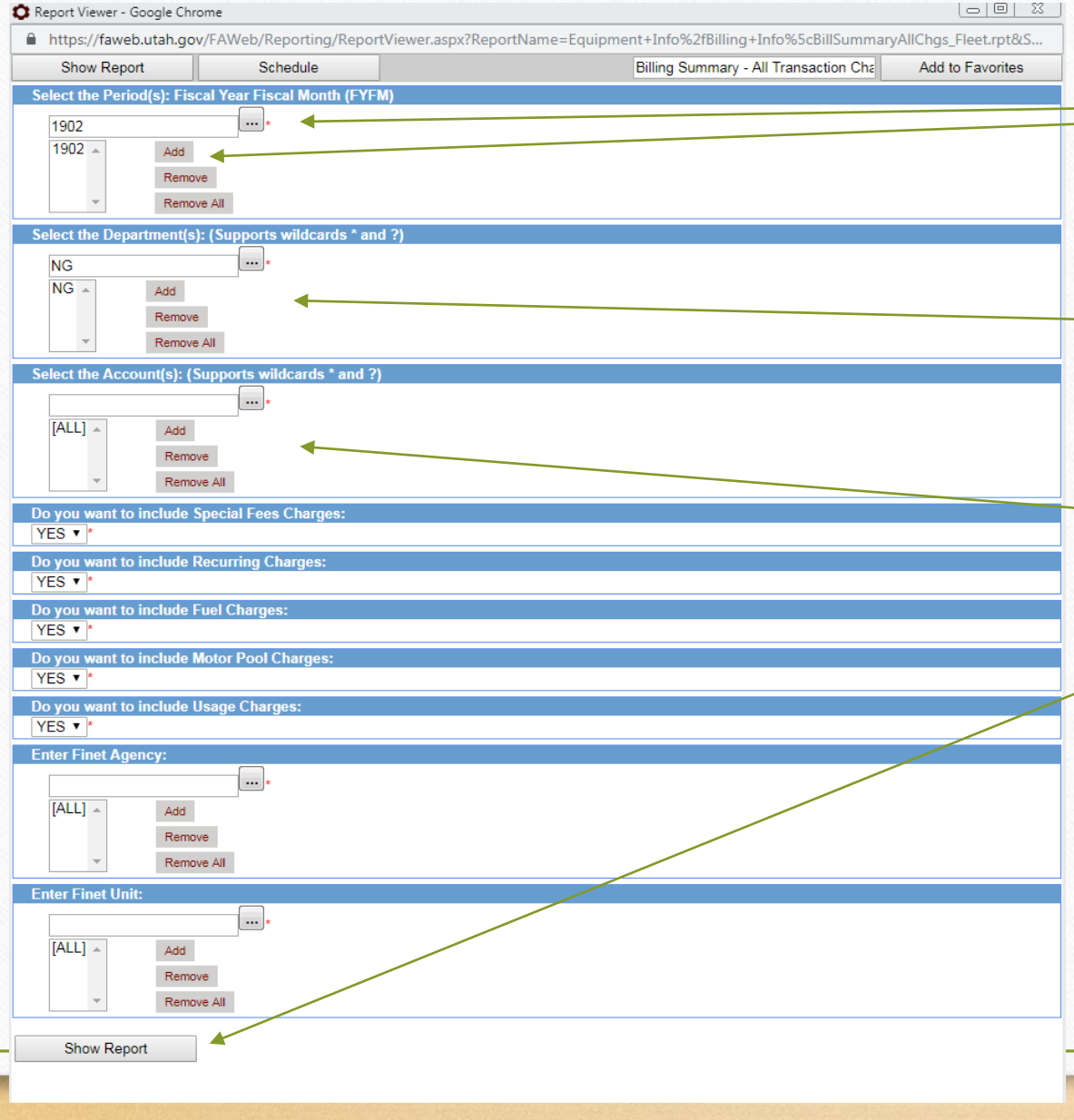


Click on Billing Info

Utah Division of Fleet Operations



Utah Division of Fleet Operations



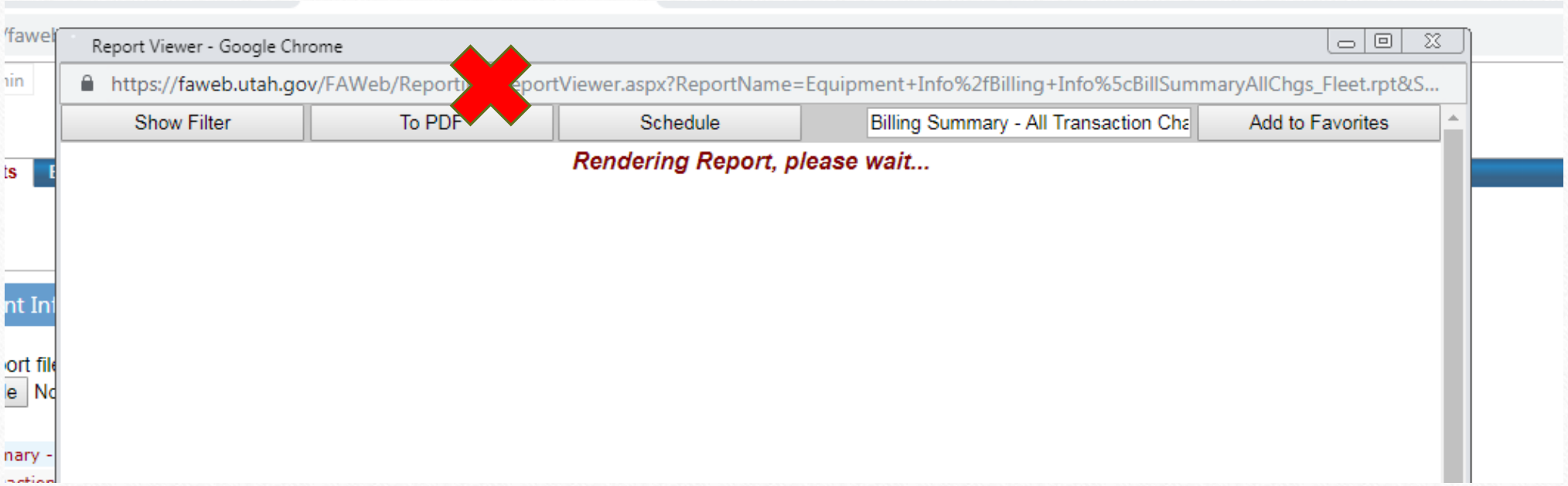
Fiscal Year, Fiscal Month, then click ADD

Department, then click ADD

ELCID if you want, click ADD

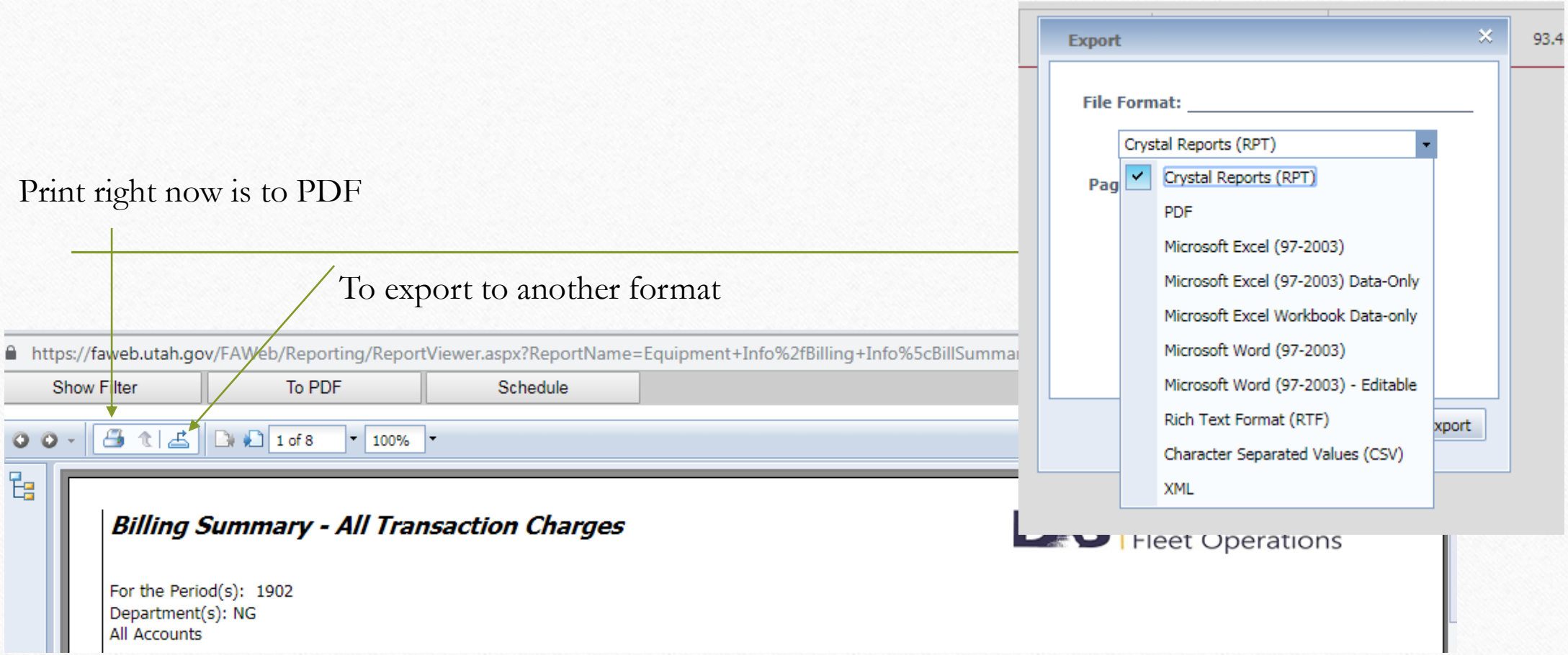
Show Report

Utah Division of Fleet Operations

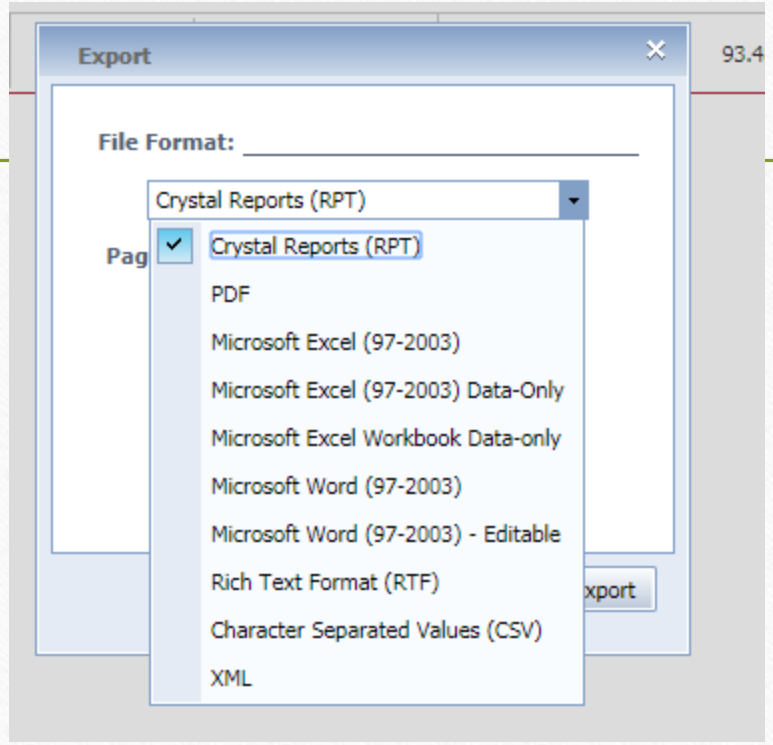

Report Viewer - Google Chrome
https://faweb.utah.gov/FAWeb/Report
eportViewer.aspx?ReportName=Equipment+Info%2fBilling+Info%5cBillSummaryAllChgs_Fleet.rpt&S...
Show Filter
To PDF
Schedule
Billing Summary - All Transaction Cha
Add to Favorites
Rendering Report, please wait...

Print right now is to PDF

To export to another format



Utah Division of Fleet Operations



Utah Division of Fleet Operations

Electric Vehicle

Master Plan

Utah Division of Fleet Operations

State of Utah Electric Vehicle Master Plan - 2018

Utah Division of Fleet Operations

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SAWATCH

Geotab Integration

myGEOTAB

- Getting Started & Help
- Dashboard
- Map
- Vehicles
- Activity
- ezEV - Sawatch
- Engine & Maintenance
- Zones & Messages
- Rules & Groups
- Administration
- Marketplace

SAWATCH

ezEV Vehicle Assessment

Fleet Summary | Cohort/Dept. | Sort By EV Suitability

****** | 2010 Ford Fusion | Plate: ******
Dept: ********** DIVISION | Equip Group: Light Duty

Miles/Year: 8444 | Cost/Mile: $0.66 --> $0.55 EV Cost/Mile
OPERATIONAL SAVINGS: $13,136 NET SAVINGS: $2,534

Current Ops Metrics: 54 Gals | 1333 Lbs GHG
EV Comparison Metrics: 516 kWh | 658 Lbs GHG | 51% GHG Reduction | 57% Fuel Cost Reduction | EV Suitability

ezEV Suitability Scoring

Confidence 100 | Energy 87 | Overall 85 | Speed 59 | Economic 100

Recommended Vehicle: 2018 Chevrolet Bolt

In a Chevrolet Bolt (est. 53 kWh usable), we estimate that on 93 percent of the days which this vehicle sees use midday charging would not be needed. For the period under which this vehicle has been measured, midday charging would have been needed on 2 days.

****** | 2011 Dodge Grand Caravan | Plate: ******
Dept: ********** DIVISION | Equip Group: Light Duty

Miles/Year: 6880 | Cost/Mile: $0.78 --> $0.58 EV Cost/Mile
OPERATIONAL SAVINGS: $12,279 NET SAVINGS: $6239

Current Ops Metrics: 60 Gals | 1471 Lbs GHG
EV Comparison Metrics: 394 kWh | 502 Lbs GHG | 66% GHG Reduction | 70% Fuel Cost Reduction | EV Suitability

Confidence 100 | Energy 100 | Overall 93 | Speed 73 | Economic 100

Recommended Vehicle: 2018 Nissan Leaf

In a Nissan Leaf (est. 36.5 kWh usable), we estimate that on 100 percent of the days which this vehicle sees use midday charging would not be needed. For the period under which this vehicle has been measured, midday charging would not have been needed.

******* | 2011 Dodge Grand Caravan | Plate: ******
Dept: ********** OPERATIONS | Equip Group: Light Duty

Miles/Year: 1205 | Cost/Mile: $3.83 --> $NA EV Cost/Mile
OPERATIONAL SAVINGS: $7,588 NET SAVINGS: $-4,452

Current Ops Metrics: 17 Gals | 410 Lbs GHG
EV Comparison Metrics: 80 kWh | 102 Lbs GHG | 75% GHG Reduction | 78% Fuel Cost Reduction | EV Suitability

Confidence 100 | Energy 100 | Overall 87 | Speed 85 | Economic 27

Recommended Vehicle: Optimization Candidate

While this vehicle's role is suited to an EV, it does not travel enough miles per year to generate operational savings, and may be considered a candidate for consolidation with other fleet vehicles in its geography.

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SAWATCH

Geotab Integration

myGEOTAB

- Getting Started & Help
- Dashboard
- Map
- Vehicles
- Activity
- ezEV - Sawatch
- Engine & Maintenance
- Zones & Messages
- Rules & Groups
- Administration
- Marketplace

NA | 2017 NISSAN Rogue | Plate:

Dept: None | Equip Group: Light Duty

Miles/Year: 23656 | Cost/Mile: $0.32 --> $0.27 EV Cost/Mile
OPERATIONAL SAVINGS: $22,475 NET SAVINGS: $3,805

Current Ops Metrics | EV Comparison Metrics

90 Gals	2215 Lbs GHG	729 kWh	930 Lbs GHG	58% GHG Reduction	63% Fuel Cost Reduction	EV Suitability

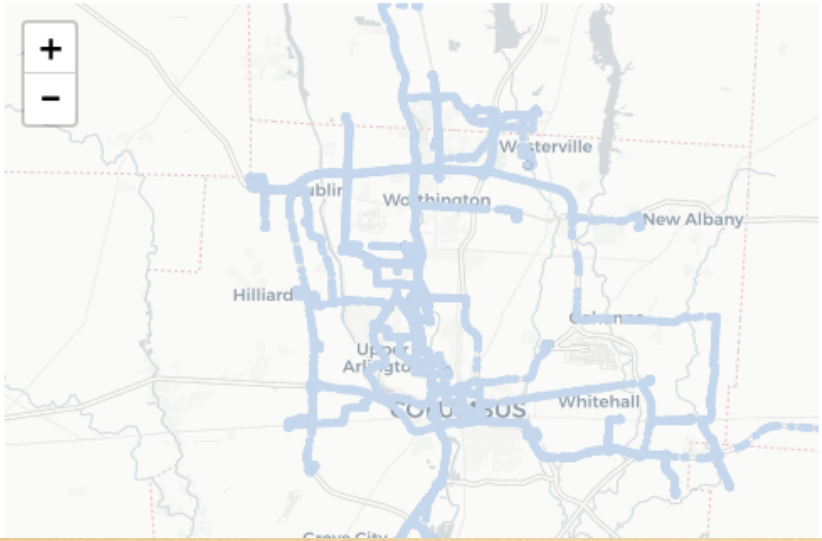
Confidence 75 | Energy 94 | Overall 88 | Speed 63 | Economic 100

Recommended Vehicle: 2018 Chevrolet Bolt

In a Chevrolet Bolt (est. 53 kWh usable), we estimate that on 94 percent of the days which this vehicle sees use midday charging would not be needed. For the period under which this vehicle has been measured, midday charging would have been needed on 2 days.

Show EV Details | Show EVSE Details | Hide Details

2018-08-22 thru 2018-09-19



Estimated EV Metrics

Battery EV

These metrics estimate what the numbers would be if the miles driven by this vehicle had been driven in an BEV.

- Net Fuel Cost Savings: $137
- Greenhouse Gas Savings (lbs): 1285
- Fuel Savings(gal): 90
- Estimated Fuel Cost: $217
- Electricity Usage(kWh): 729
- Electricity Usage Avg/Day(kWh): 36
- Electricity Cost: $80

Plug-In Hybrid EV

These metrics estimate what the usage numbers would be if the miles driven by this vehicle had been driven in an PHEV.

- Net Fuel Cost Savings: $51
- Greenhouse Gas Savings (lbs): 485
- Fuel Savings(gal): 33
- Estimated Fuel Cost: $137
- Electricity Usage(kWh): 258
- Electricity Usage Avg/Day(kWh): 13
- Electricity Cost: $28
- Miles Driven Electric: 664
- Miles Driven Gasoline: 1213

Usage Totals

These figures are the actual vehicle metrics as measured by the telematics device.

Mobility Options and Research

Current Options

E-Bike
UTA
Mileage Reimbursement
On Demand Motor Pool
Enterprise Vehicles
Fleet provided

Research

Key kiosk
Ride sharing contract
Long term rental

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Key Kiosk

MASOB

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Key Valet

Data Ranges and Criteria

- Implementation date (August 1,2018) through September 30,2018
- Utilization of both Enterprise and the Key Kiosk

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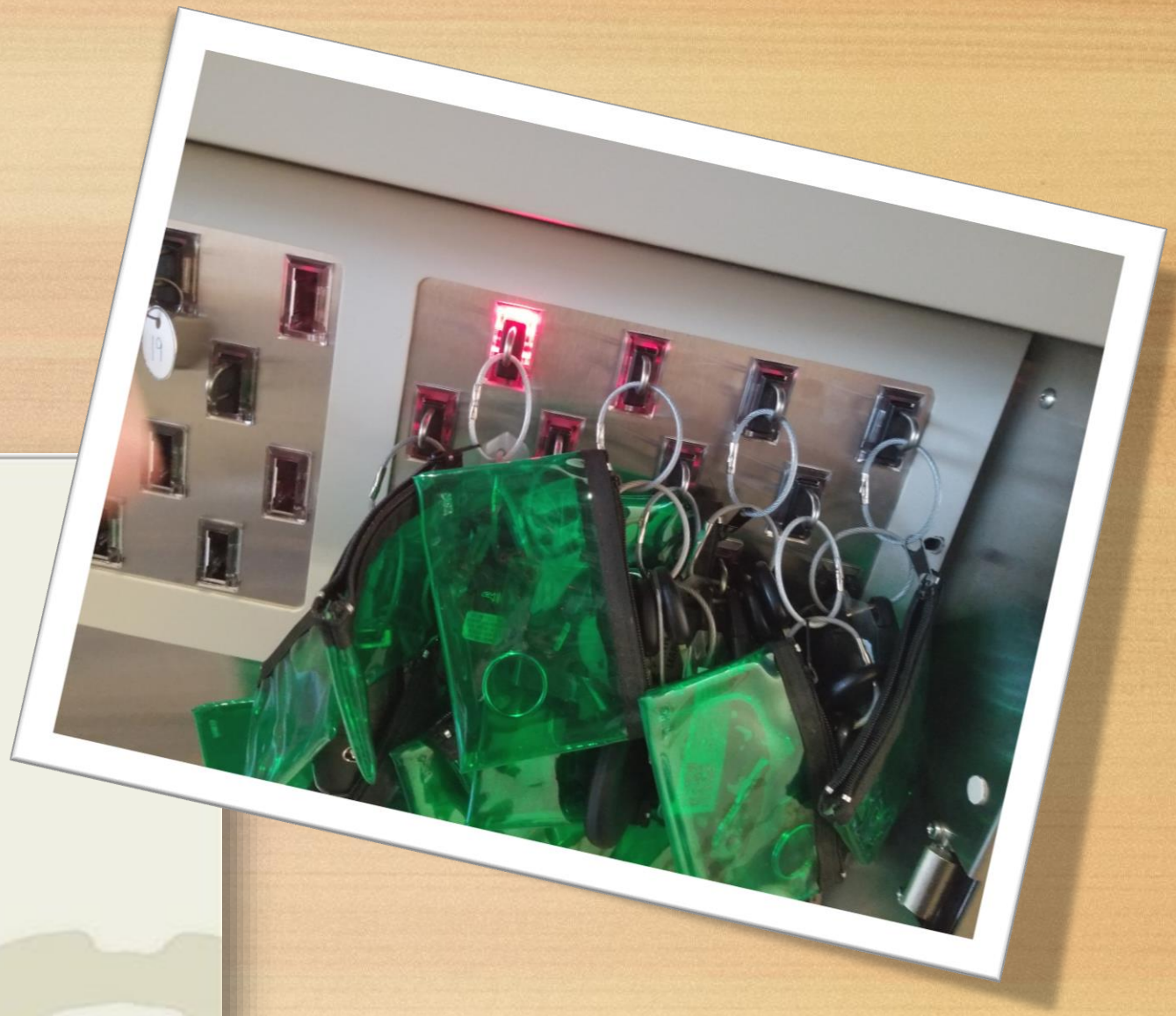

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Key Valet at MASOB

Short-Term Success

- Pick up and Return of vehicles with a confirmation code
- Vehicle pick up and return at any time
- Remote Vehicle Status
- Staff time savings as rentals are streamlined through fleet system

Obstacles

- When the system shuts down, it doesn't restart automatically.
- Understanding integration from KeyValet to Fleet system.
- KeyValet fails to recognize if a vehicle is late which affects subsequent rentals
- Vehicles are not being returned in the condition they were rented

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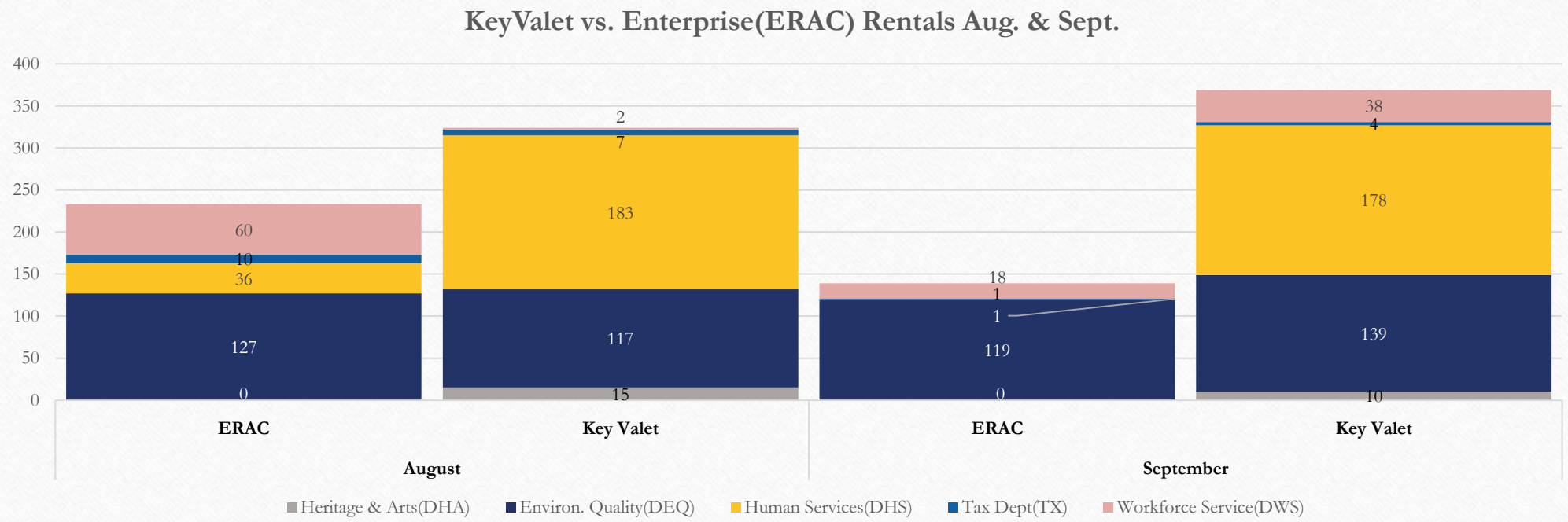
Adoption Rates



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Ride Hailing Contract

Why you might ask?

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Ride Hailing Contract in Process

- RFP closed May 11, 2018
- Evaluation/Awarded July 13, 2018
- Currently in term negotiation before finalizing the contract(s).

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Long Term Rental

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Long Term Rental

- What we Tried
  - Long term rentals for seasonal use
  - UDOT Region IV rented vehicles for the road construction season
  - Install equipment without drilling holes in the vehicles
  - Less cost then full year's lease?
  - New vehicles each year
- What we Learned
  - The road construction season is too long for ROI
  - Employees loved it
  - Enterprise is flexible

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Driver Safety Committee Training

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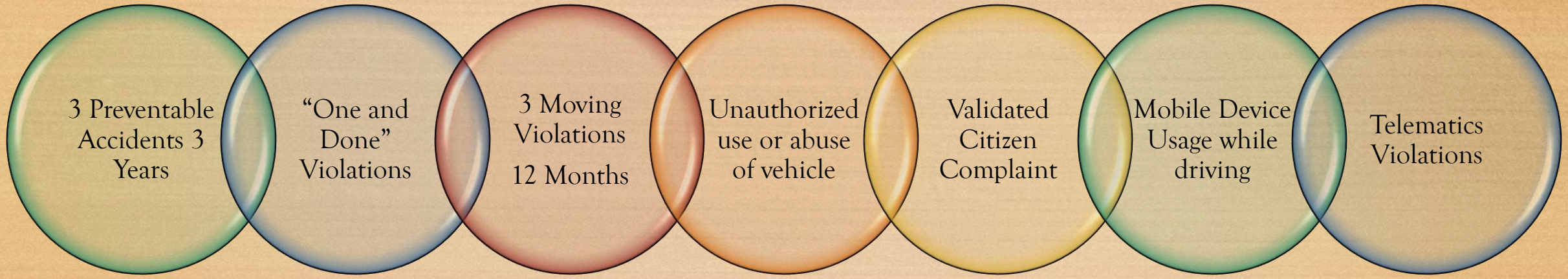
Major Threshold Violations



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Monthly Reports

Three or More Preventable Accidents in Three Years

DEPARTMENT

USID **OPERATOR NAME** **142873**

Accident ID	Date of Accident	Equipment ID	Type of Accident	DSC ID
FO18_0500	10/23/2017 1:30:00 PM	EQIDXX	NO DAMAGE	1802XOPIDX-3PA

ON 10/23/2017 AT APPROXIMATELY 1330 HOURS, THERE WAS DAMAGE TO TRAILER PLATE #XXXXX. ELMER FUDD WAS WORKING ON A PROJECT AT 1234 LOCATION ST IN LAYTON. HE WAS TOWING THE TRAILER WITH STATE VEHICLE PLATE #XXXXXX. WHEN HE ARRIVED AT THE JOB-SITE, HE WAS ATTEMPTING TO BACK THE TRAILER UP INTO THE DRIVEWAY. HE WAS BACKING TO HIS RIGHT AND COULD NOT SEE THAT THERE WAS A TREE IN THE PATH HE WAS BACKING. THERE WAS ANOTHER CAR COMING DOWN THE STREET AND COULD NOT PASS BECAUSE VEHICLE WAS PARTIALLY BLOCKING THE ROAD. HE COULD NOT BACK ANY FURTHER BECAUSE HE HAD HIT THE TREE. HE EXITED HIS VEHICLE TO ASK THE OTHER DRIVER IF THEY COULD BACK UP SO THAT HE COULD PULL HIS VEHICLE AND TRAILER FORWARD TO ALLOW THEM TO PASS. THE OTHER DRIVER MOVED AND FUDD WAS ABLE TO PULL FORWARD AND TO THE SIDE OF THE ROAD TO ALLOW THEM TO PASS. AFTER THAT, HE WAS ABLE TO SUCCESSFULLY BACK THE TRUCK AND TRAILER UP INTO THE DRIVEWAY. THERE WAS NO DAMAGE DONE TO STATE VEHICLE PLATE #XXXXXX. FUDD GOT OUT TO INSPECT THE TRAILER. HE ROXIMATELY 8 INCHES IN DIAMETER THAT HAD BEEN CAUSED BY

1802XOPIDX-3PA

ATE #XXXXX. SUPERVISOR BUGS BUNNY WAS COMPLETING HIS T CORNER PANEL BETWEEN THE REAR WHEEL WELL AND REAR ER 31ý 2017. HE DID NOT NOTICE ANY DAMAGE TO THE VEHICLE

1802XOPIDX-3PA

ATE #XXXXX PULLING HIS ENCLOSED TOOL TRAILERý PLATE TO A EMPTY STALL THE CORNER OF THE FLATBED TRUCK HIT THE E PANELING. THIS INCIDENT OCCURRED AT THE MAGIC

Three or More Moving Violations in a Year

DEPARTMENT

USID **USERNAME** **EIN**

Charge Date	Violation Date	Conviction Code	Conviction Description	DSC ID
4/24/2017	3/29/2017	S92	Speeding/posted speed and actual speed	1802XOPIDXX-3M
6/1/2017	5/4/2017	S15	Speed 15+ mph over speed limit CMV	1802XOPIDXX-3M
8/22/2017	6/1/2017	N40	Failure to use or improper signal	1802XOPIDXX-3M
9/11/2017	8/3/2017	S92	Speeding/posted speed and actual speed	1802XOPIDXX-3M

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Preventable Accidents

DEPARTMENT

FO18_0650	USERID	OPERATOR NAME	EIN	OPID	YEAR	MAKE	MODEL

Date of Accident	Date Reported	Type of Accident	DSC ID 1802XXXX-XXXX-PA
1/30/2018 9:00:00 AM	2/8/2018	WAITINGRISK	

JOHN DOE WAS TRAVELING WEST ON IDREAM STREET APPROACHING THE INTERSECTION AT 007 EAST. JOHN BEGAN TO MOVE INTO THE LEFT TURNING LANE AND STOPPED. JJOHN LOOKED TO HIS RIGHT AND COULD SEE A SILVER RAM TRUCK SOUTHBOUND ON 007 EAST PREPARING TO MAKE A LEFT TU

Major Moving Violations

DEPARTMENT

USERID	OPERATOR NAME	EIN

Conviction Date	Validation Date	Violation Description	DSC ID
12/1/2017	11/10/2017	Texting/driving	1802OPIDXXXX-MV

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DSC

Reviews

- 3 Preventable Accidents 3 yrs
- "One and Done" violations
- 3 Moving violations in 12 Months
- Unauthorized use or abuse of vehicle
- Validated Citizen Complaints
- Mobile Device Usage while Driving
- Telematic Violations

DSC makes determination

Notify

Fleet Operations

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Report to Return

Department	Operator Info	EIN	MV ID	Threshold Violation	Type
ADMINISTRATIVE SERVICES			1711XXXX_XXXX-PA		Preventable Accident
ADMINISTRATIVE SERVICES			1711XXXX_XXXX-PA		Preventable Accident
ADMINISTRATIVE SERVICES			1711XXXX_XXXX-PA		Preventable Accident
ADMINISTRATIVE SERVICES			1711XXXX_XXXX-PA		Preventable Accident
ADMINISTRATIVE SERVICES			1711XXXX_XXXX-PA		Preventable Accident
ADMINISTRATIVE SERVICES			1802XXXXX-3PA	Y	3+ Preventable Accident
ADMINISTRATIVE SERVICES			1802XXXXXXX-MV	Y	Major Moving Violation
ADMINISTRATIVE SERVICES			1802XXXX_XXXX-PA		Preventable Accident
ADMINISTRATIVE SERVICES			1802XXXX_XXXX-PA		Preventable Accident
ADMINISTRATIVE SERVICES			1802XXXX_XXXX-PA		Preventable Accident
ADMINISTRATIVE SERVICES			1802XXXX_XXXX-PA		Preventable Accident

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DSC is Required to Meet

R27-7-4

(4) Each agency Driver Safety Committee shall meet monthly, except in cases when there are not items to review. The items to review are the preventability determination of any accidents and any major threshold violations committed in the previous month. The Driver Safety Committee shall report to the division its accident and major threshold determination and any actions taken.

(5) If an agency Driver Safety Committee does not send the monthly Driver Safety Committee report as specified in R27-7-4(4), the initial preventability determination of any accidents will stand. A driver may appeal this accident determination to the Driver Eligibility Board pursuant to Section R27-2.

(6) The Driver Eligibility Board may recommend disciplinary actions for agency drivers to the agency when it is acting on behalf of the agency Driver Safety Committee.

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If Your Agency Doesn't Have a DSC

R27-7-4(7) If an agency has fewer than five employees, the agency head may perform the duties of the Driver Safety Committee outlined in rule. In the event the agency head is the driver to be reviewed, the review may be done by the Driver Eligibility Board. Appeals from the affected agency head will be heard by the Executive Director of the Department of Administrative Services, or designee and shall follow the appeal process outlined in rule.

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RIGHT TO APPEAL

Pursuant to procedures outlined in Rule R27-2, a driver declared ineligible to operate a state vehicle by the Driver Safety Committee may appeal that determination to the Driver Eligibility Board. An appeal to the Driver Eligibility Board must be made in writing within 30 days from the date the Driver Safety Committee issues its decision.
- R27-7-3 (5)

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Questions?

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